

**ANNUAL FEE and REPORT REQUEST**

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**JUN 07 2002**

**Division of Minerals and Geology**

PERMITTEE NAME: Sunnyside Gold Corp  
PERMIT NO.: M-1977-378  
OPERATION NAME: Sunnyside Gold Mine  
ANNIVERSARY DATE: June 10, 2002  
ANNUAL FEE DUE: \$550.00 (Due on or before your anniversary date)  
COUNTY: San Juan

According to C.R.S. 34-32.5-116 or C.R.S. 34-32-116, each year, on the anniversary date of the permit, an operator shall submit the annual fee, a report and map showing the extent of current disturbances to affected land, reclamation accomplished to date and during the preceding year, new disturbances that are anticipated to occur during the upcoming year, reclamation that will be performed during the coming year, the dates for the beginning of active operations, and the date active operations ceased for the year, if any.

**Please attach your revised written annual report and annual report map to this form.** Please note that an adequately labeled map that clearly delineates and includes the above elements may suffice for a written report.

Division records indicate the following permittee contact information. Please verify and make any necessary changes:

Permittee Contact: Larry Perino

Permittee Name: Sunnyside Gold Corp

Address: 1303 Snowden

P.O. Box 177

Silverton, CO 81433

#1 Gladstone

Phone Number: (970) 387-5533

Fax Number: (970) 387-5310

If you have additional comments and/or information that should be provided to the Division, please provide it below or attach it to this form along with your written report and map. Annual Report instructions are enclosed.

Larry Perino - Reclamation Manager

Signature of Corporate Officer or Owner

6-4-02

Date



**SUNNYSIDE GOLD CORPORATION**  
**AN ECHO BAY COMPANY**

P.O. Box 177 • Silverton, CO 81433  
Phone (970) 387-5533 • Fax (970) 387-5310

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**JUN 07 2002**

Division of Minerals and Geology

June 4, 2002

Division of Minerals and Geology  
Department of Natural Resources  
1313 Sherman St., Room 215  
Denver, Colorado 80203

RE: MLR Annual Report – File No. M-1977-378

Division of Minerals and Geology:

Included in this packet is the following;

- Annual Report Form
- Check for Annual Fee - \$550.00
- Copy of pertinent sections of the Annual Report for Wells Fargo & Company as evidence that the \$1,250,000 Irrevocable Letter of Credit S801642 held for reclamation bond does not exceed ten percent (10%) of the bank's capital surplus accounts. The complete annual report can be viewed at [www.wellsfargo.com](http://www.wellsfargo.com).
- Annual report including a separate section for the TR-14 monitoring permit requirements.

Please contact me if any additional information is needed to satisfy the annual reporting requirements for MLR Permit No. M-1977-378 or if there are any questions on this submittal.

Sincerely,

Larry Perino  
Reclamation Manager

1313 Sherman Street, Room 215  
Denver, CO 80203

DATE	SALE NO.
06/07/2002	7830

Sunnyside Gold Corp  
Echo Bay Management Corporation

134940

DESCRIPTION	NOTE	AMOUNT
Min: Annual Fee	M-1977-378	550.00

\$550.00

## Independent Auditors' Report

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The Board of Directors and Stockholders of Wells Fargo & Company:

We have audited the accompanying consolidated balance sheet of Wells Fargo & Company and Subsidiaries as of December 31, 2001 and 2000, and the related consolidated statements of income, changes in stockholders' equity and comprehensive income, and cash flows for each of the years in the three-year period ended December 31, 2001. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Wells Fargo & Company and Subsidiaries as of December 31, 2001 and 2000, and the results of their operations and their cash flows for each of the years in the three-year period ended December 31, 2001, in conformity with accounting principles generally accepted in the United States of America.

San Francisco, California  
January 15, 2002

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JUN 07 2002  
Division of Minerals and Geology



Wells Fargo Financial includes consumer finance and auto finance operations. Consumer finance operations make direct loans to consumers and purchase sales finance contracts from retail merchants from offices throughout the United States and Canada and in the Caribbean and Latin America. Automobile finance operations specialize in purchasing sales finance contracts directly from automobile dealers and making loans secured by automobiles in the United States and Puerto Rico. Credit cards are offered to consumer finance customers through two credit card banks. Wells Fargo Financial also provides lease and other commercial financing and provides information services to the consumer finance industry.

The Reconciliation Column includes unallocated goodwill, the net impact of transfer pricing loan and deposit balances, the cost of external debt, and any residual effects of unallocated systems and other support groups. It also includes the impact of asset/liability strategies the Company has put in place to manage interest rate sensitivity at the consolidated level.

(income/expense in millions, average balances in billions)	Community Banking	Wholesale Banking	Wells Fargo Financial	Reconciliation Column <sup>(4)</sup>	Consolidated Company
<b>2001</b>					
Net interest income <sup>(1)</sup>	\$8,910	\$1,969	\$1,679	\$ (98)	\$12,460
Provision for loan losses	1,015	278	487	—	1,780
Noninterest income	5,189	2,113	371	17	7,690
Noninterest expense	<u>9,118</u>	<u>2,345</u>	<u>1,096</u>	<u>332</u>	<u>12,891</u>
Income (loss) before income tax expense (benefit)	3,966	1,459	467	(413)	5,479
Income tax expense (benefit) <sup>(2)</sup>	<u>1,398</u>	<u>531</u>	<u>179</u>	<u>(52)</u>	<u>2,056</u>
Net income (loss)	2,568	928	288	(361)	3,423
Less: Impairment and other special charges (after tax) <sup>(3)</sup>	<u>(1,089)</u>	<u>(62)</u>	<u>—</u>	<u>(6)</u>	<u>(1,157)</u>
Net income (loss) excluding impairment and other special charges	<u>\$3,657</u>	<u>\$ 990</u>	<u>\$ 288</u>	<u>\$ (355)</u>	<u>\$ 4,580</u>
<b>2000</b>					
Net interest income <sup>(1)</sup>	\$7,586	\$1,949	\$1,424	\$ (94)	\$10,865
Provision for loan losses	849	151	329	—	1,329
Noninterest income	6,685	1,768	304	86	8,843
Noninterest expense	<u>8,562</u>	<u>1,946</u>	<u>986</u>	<u>356</u>	<u>11,830</u>
Income (loss) before income tax expense (benefit)	4,880	1,620	413	(364)	6,549
Income tax expense (benefit) <sup>(2)</sup>	<u>1,724</u>	<u>613</u>	<u>155</u>	<u>(19)</u>	<u>2,523</u>
Net income (loss)	<u>\$3,106</u>	<u>\$1,007</u>	<u>\$ 258</u>	<u>\$ (345)</u>	<u>\$ 4,026</u>
<b>1999</b>					
Net interest income <sup>(1)</sup>	\$7,479	\$1,403	\$1,314	\$ (80)	\$10,116
Provision for loan losses	712	102	288	2	1,104
Noninterest income	6,371	1,194	311	99	7,975
Noninterest expense	<u>8,194</u>	<u>1,154</u>	<u>952</u>	<u>337</u>	<u>10,637</u>
Income (loss) before income tax expense (benefit)	4,944	1,341	385	(320)	6,350
Income tax expense (benefit) <sup>(2)</sup>	<u>1,700</u>	<u>500</u>	<u>142</u>	<u>(4)</u>	<u>2,338</u>
Net income (loss)	<u>\$3,244</u>	<u>\$ 841</u>	<u>\$ 243</u>	<u>\$ (316)</u>	<u>\$ 4,012</u>
<b>2001</b>					
Average loans	\$ 100	\$ 50	\$ 13	\$ —	\$ 163
Average assets	198	66	15	6	285
Average core deposits	152	16	—	—	168
<b>2000</b>					
Average loans	\$ 89	\$ 46	\$ 11	\$ —	\$ 146
Average assets	173	58	12	7	250
Average core deposits	131	15	—	—	146

(1) Net interest income is the difference between actual interest earned on assets (and interest paid on liabilities) owned by a group and a funding charge (and credit) based on the Company's cost of funds. Community Banking and Wholesale Banking are charged a cost to fund any assets (e.g., loans) and are paid a funding credit for any funds provided (e.g., deposits). The interest spread is the difference between the interest rate earned on an asset or paid on a liability and the Company's cost of funds rate.

(2) Taxes vary by geographic concentration of revenue generation. Taxes as presented may differ from the consolidated Company's effective tax rate as a result of taxable-equivalent adjustments that primarily relate to income on certain loans and securities that is exempt from federal and applicable state income taxes. The offsets for these adjustments are found in the reconciliation column.

(3) Non-cash impairment and other special charges recognized in the second quarter of 2001, which are included in noninterest income, mainly related to impairment of publicly traded and private equity securities, primarily in the venture capital portfolio.

(4) The material items in the reconciliation column related to revenue (i.e., net interest income plus noninterest income) and net income consist of Treasury activities and unallocated items. Revenue includes Treasury activities of \$14 million, \$63 million and \$83 million; and unallocated items of \$(95) million, \$(71) million, and \$(64) million for 2001, 2000 and 1999, respectively. Net income includes Treasury activities of \$6 million, \$38 million and \$51 million; and unallocated items of \$(367) million, \$(383) million and \$(367) million for 2001, 2000 and 1999, respectively. The material item in the reconciliation column related to noninterest expense is amortization of unallocated goodwill of \$329 million, \$827 million and \$318 million for 2001, 2000 and 1999, respectively. The material item in the reconciliation column related to average assets is unallocated goodwill of \$6 billion and \$7 billion for 2001 and 2000, respectively.

## Note 18: Securitizations

The Company routinely originates, securitizes and sells mortgage loans and, from time to time, other financial assets, including student loans, auto receivables and securities, into the secondary market. As a result of this process, the Company typically retains the servicing rights and may retain other beneficial interests from the sales. These securitizations are usually structured without recourse to the Company and without restrictions on the retained interest. The retained interests do not contain significant credit risks. The Company recognized gains from sales of financial assets in securitizations of \$623 million in 2001, compared with \$298 million in 2000. Additionally, the Company had the following cash flows with securitization trusts:

(in millions)	Year ended December 31,			
	2001		2000	
	Residential mortgage loans	Other financial assets	Residential mortgage loans	Other financial assets
Proceeds from new securitizations	\$16,410	\$3,024	\$4,397	\$4,540
Servicing fees	65	42	58	34
Cash flows on interest-only strips	144	112	115	112

In the normal course of creating securities for investors, the Company may sponsor the special purpose entities which hold, for the benefit of the investors, the loans or leases that are the source of payment to the investors. Those special purpose entities are consolidated unless they meet the criteria for a qualifying special purpose entity in accordance with FASB Statement No. 140 (FAS 140), *Accounting for the Transfers and Servicing of Financial Assets and Extinguishments of Liabilities*, or they have a substantial residual equity investment by an unaffiliated entity and the Company does not retain a controlling interest as a result of the Company's ownership of residual equity.

## Note 19: Mortgage Banking Activities

Mortgage banking activities, included in the Community Banking and Wholesale Banking operating segments, comprise residential and commercial mortgage originations and servicing. The following table presents the components of mortgage banking noninterest income:

(in millions)	Year ended December 31,		
	2001	2000	1999
Origination and other closing fees	\$ 737	\$ 350	\$ 406
Servicing fees, net of amortization and impairment	(260)	665	404
Net gains on securities available for sale	134	—	—
Net gains on sales of mortgage servicing rights	—	159	193
Net gains on mortgage loan origination/sales activities	705	38	117
All other	355	232	287
Total mortgage banking noninterest income	<u>\$1,671</u>	<u>\$1,444</u>	<u>\$1,407</u>

The following table summarizes the changes in capitalized mortgage loan servicing rights:

(in millions)	Year ended December 31,		
	2001	2000	1999
Balance, beginning of year	\$5,609	\$4,652	\$3,294
Originations	1,883	702	1,110
Purchases	962	1,212	695
Sales	—	(58)	(172)
Amortization	(914)	(554)	(721)
Other (includes changes in mortgage servicing rights due to hedging)	(175)	(345)	446
	7,365	5,609	4,652
Less: Valuation allowance	1,124	—	—
Balance, end of year	<u>\$6,241</u>	<u>\$5,609</u>	<u>\$4,652</u>

The managed servicing portfolio totaled \$514 billion at December 31, 2001, \$468 billion at December 31, 2000 and \$308 billion at December 31, 1999, which included loans subserviced for others of \$63 billion, \$85 billion and \$9 billion, respectively.

The key economic assumptions used in determining the fair value of mortgage servicing rights and other retained interests related to residential mortgage loan securitizations at the date of securitization resulting from securitizations completed in 2001 and 2000 were as follows:

	Mortgage servicing rights		Other retained interests	
	2001	2000	2001	2000
Prepayment speed (annual CPR) <sup>(1)</sup>	13.41%	12.8%	16.41%	10.2%
Weighted average life (in years)	7.1	7.9	6.1	8.2
Discount rates <sup>(1)</sup>	8.9%	10.6%	11.2%	12.0%

**CPR - Constant prepayment rate**

(1) Discount rates and prepayment speeds represent weighted averages for all retained interests resulting from residential mortgage securitizations completed in 2001 and 2000.

At December 31, 2001, key economic assumptions and the sensitivity of the current fair value of mortgage servicing rights, both purchased and retained, and other retained interests related to residential mortgage loan securitizations to immediate 10% and 25% adverse changes in those assumptions are presented in the table to the right.

These sensitivities are hypothetical and should be used with caution. As the figures indicate, changes in fair value based on a 10% variation in assumptions generally cannot be extrapolated because the relationship of the change in the assumption to the change in fair value may not be linear. Also, in the above table, the effect of a variation in a particular assumption on the fair value of the retained

interest is calculated independently without changing any other assumption. In reality, changes in one factor may result in changes in another (for example, changes in prepayment speed estimates could result in changes in the discount rates), which might magnify or counteract the sensitivities.

(in millions)	Mortgage servicing rights	Other retained interests
Fair value of retained interests	\$6,397	\$1,470
Expected weighted average life (in years)	5.6	5.3
Prepayment speed assumption (annual CPR)	16.5%	15.9%
Decrease in fair value from 10% adverse change	\$333	\$86
Decrease in fair value from 25% adverse change	772	199
Discount rate assumption	7.41%	7.41%
Decrease in fair value from 100 basis point adverse change	\$270	\$59
Decrease in fair value from 200 basis point adverse change	504	108

Not included in the table above are mortgage servicing rights, both purchased and retained, with a fair value of \$14 million and other retained interests with a fair value of \$150 million related to commercial mortgage loan securitizations and other retained interests of \$325 million related to securitizations of student loans, auto receivables and securities.

## Note 20: Parent Company

Condensed financial information of the Parent follows. For information regarding the Parent's long-term debt, see Note 9.

### Condensed Statement of Income

(In millions)	Year ended December 31,		
	2001	2000	1999
<b>INCOME</b>			
Dividends from subsidiaries:			
Bank	\$2,360	\$2,318	\$2,378
Nonbank	218	1,139	153
Interest income from subsidiaries	566	701	616
Service fees from subsidiaries	49	45	104
Other income	180	369	95
Total income	<u>3,373</u>	<u>4,572</u>	<u>3,346</u>
<b>EXPENSE</b>			
Interest on:			
Short-term borrowings	305	464	350
Long-term debt	691	739	514
Noninterest expense	148	116	380
Total expense	<u>1,144</u>	<u>1,319</u>	<u>1,244</u>
Income before income tax benefit and undistributed income of subsidiaries	2,229	3,253	2,102
Income tax benefit (expense)	230	114	(161)
Equity in undistributed income of subsidiaries	964	659	2,071
<b>NET INCOME</b>	<u>\$3,423</u>	<u>\$4,026</u>	<u>\$4,012</u>

## Condensed Balance Sheet

(in millions)	December 31	
	2001	2000
<b>ASSETS</b>		
Cash and noninterest-bearing balances due from:		
Subsidiary banks	\$ 2	\$ —
Non-affiliates	74	50
Interest-bearing balances due from subsidiary banks	2,834	1,759
Securities available for sale	1,531	1,982
Loans and advances to subsidiaries:		
Bank	200	200
Nonbank	10,439	10,862
Investment in subsidiaries (1):		
Bank	28,741	26,386
Nonbank	4,781	4,845
Other assets	2,226	1,257
Total assets	<u>\$50,928</u>	<u>\$47,341</u>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Short-term borrowings	\$ 4,969	\$ 5,848
Other liabilities	1,086	900
Long-term debt	14,456	12,994
Indebtedness to subsidiaries	1,657	1,111
Guaranteed preferred beneficial interests in Company's subordinated debentures	1,546	—
Stockholders' equity	<u>27,214</u>	<u>26,488</u>
Total liabilities and stockholders' equity	<u>\$50,928</u>	<u>\$47,341</u>

(1) The double leverage ratio, which represents the ratio of the Parent's total equity investment in subsidiaries to its total stockholders' equity, was 123% and 118% at December 31, 2001 and 2000, respectively.

## Condensed Statement of Cash Flows

(in millions)	Year ended December 31		
	2001	2000	1999
<b>Cash flows from operating activities:</b>			
Net income	\$3,423	\$4,026	\$4,012
Adjustments to reconcile net income to net cash provided by operating activities:			
Equity in undistributed income of subsidiaries	(964)	(659)	(2,071)
Depreciation and amortization	19	18	26
Release of preferred shares to ESOP	159	127	86
Other assets, net	(848)	295	114
Accrued expenses and other liabilities	143	(122)	536
Net cash provided by operating activities	<u>1,932</u>	<u>3,680</u>	<u>2,703</u>
<b>Cash flows from investing activities:</b>			
Securities available for sale:			
Proceeds from sales	626	739	348
Proceeds from prepayments and maturities	85	112	120
Purchases	(462)	(1,067)	(872)
Net advances to nonbank subsidiaries	(722)	(2,499)	724
Principal collected on notes/loans of subsidiaries	1,304	1,487	1,108
Capital notes and term loans made to subsidiaries	(159)	(2,007)	(505)
Net increase in investment in subsidiaries	(979)	(1,804)	(1,003)
Net cash used by investing activities	<u>(302)</u>	<u>(5,039)</u>	<u>(80)</u>
<b>Cash flows from financing activities:</b>			
Net (decrease) increase in short-term borrowings and indebtedness to subsidiaries	(331)	(743)	1,059
Proceeds from issuance of long-term debt	4,527	6,590	6,574
Repayment of long-term debt	(3,066)	(4,400)	(1,780)
Proceeds from issuance of guaranteed preferred beneficial interests in Company's subordinated debentures	1,546	—	—
Proceeds from issuance of common stock	484	422	517
Repurchases of common stock	(1,760)	(3,235)	(2,122)
Preferred stock redeemed	(200)	—	—
Net decrease in ESOP loans	—	—	2
Payment of cash dividends	(1,724)	(1,586)	(1,436)
Net cash (used) provided by financing activities	<u>(524)</u>	<u>(2,952)</u>	<u>2,814</u>
Net change in cash and cash equivalents	1,101	(4,311)	5,437
Cash and cash equivalents at beginning of year	<u>1,809</u>	<u>6,120</u>	<u>683</u>
Cash and cash equivalents at end of year	<u>\$2,910</u>	<u>\$1,809</u>	<u>\$6,120</u>

## Note 21: Legal Actions

In the normal course of business, the Company is at all times subject to numerous pending and threatened legal actions, some for which the relief or damages sought are substantial. After reviewing pending and threatened actions with counsel, management believes that the outcome of such actions will not have a material adverse effect on the results of operations

or stockholders' equity of the Company. The Company is not able to predict whether the outcome of such actions may or may not have a material adverse effect on results of operations in a particular future period as the timing and amount of any resolution of such actions and its relationship to the future results of operations are not known.

## Note 22: Risk-Based Capital

The Company and each of the subsidiary banks are subject to various regulatory capital adequacy requirements administered by the FRB and the OCC, respectively. The Federal Deposit Insurance Corporation Improvement Act of 1991 (FDICIA) required that the federal regulatory agencies adopt regulations defining five capital tiers for banks: well capitalized, adequately capitalized, undercapitalized, significantly undercapitalized and critically undercapitalized. Failure to meet minimum capital requirements can initiate certain mandatory and possibly additional discretionary actions by regulators that, if undertaken, could have a direct material effect on the Company's financial statements.

Quantitative measures, established by the regulators to ensure capital adequacy, require that the Company and each of the subsidiary banks maintain minimum ratios (set forth in the table on the following page) of capital to risk-weighted assets. There are three categories of capital under the guidelines. Tier 1 capital includes common stockholders' equity, qualifying preferred stock and trust preferred securities, less goodwill and certain other deductions (including the unrealized net gains and losses, after applicable taxes, on securities available for sale carried at fair value). Tier 2 capital includes preferred stock not qualifying as Tier 1 capital, subordinated debt, the allowance for loan losses and net unrealized gains on marketable equity securities, subject to limitations by the guidelines. Tier 2 capital is limited to the amount of Tier 1 capital (i.e., at least half of the total capital must be in the form of Tier 1 capital). Tier 3 capital includes certain qualifying unsecured subordinated debt.

Under the guidelines, capital is compared to the relative risk related to the balance sheet. To derive the risk included in the balance sheet, one of four risk weights (0%, 20%,

50% and 100%) is applied to the different balance sheet and off-balance sheet assets, primarily based on the relative credit risk of the counterparty. For example, claims guaranteed by the U.S. government or one of its agencies are risk-weighted at 0%. Off-balance sheet items, such as loan commitments and derivative financial instruments, are also applied a risk weight after calculating balance sheet equivalent amounts. One of four credit conversion factors (0%, 20%, 50% and 100%) is assigned to loan commitments based on the likelihood of the off-balance sheet item becoming an asset. For example, certain loan commitments are converted at 50% and then risk-weighted at 100%. Derivative financial instruments are converted to balance sheet equivalents based on notional values, replacement costs and remaining contractual terms. (See Notes 5 and 23 for further discussion of off-balance sheet items.) The capital amounts and classification are also subject to qualitative judgments by the regulators about components, risk weightings and other factors.

Management believes that, as of December 31, 2001, the Company and each of the covered subsidiary banks met all capital adequacy requirements to which they are subject.

Under the FDICIA prompt corrective action provisions applicable to banks, the most recent notification from the OCC categorized each of the covered subsidiary banks as well capitalized. To be categorized as well capitalized, the institution must maintain a total risk-based capital ratio as set forth in the following table and not be subject to a capital directive order. There are no conditions or events since that notification that management believes have changed the risk-based capital category of any of the covered subsidiary banks.

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JUN 07 2002

Division of Minerals and Geology

MLR ANNUAL REPORT

Sunnyside Mine and Mayflower Mill

File No. M-1977-378

April 2001 to March 2002

Sunnyside Gold Corporation  
San Juan County  
Silverton, Colorado

Submitted to:

Division of Minerals and Geology  
Colorado Department of Natural Resources  
Denver, Colorado

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## SITE RECLAMATION ACTIVITY

APRIL 2001 TO MARCH 2002

Reclamation activity during the 2001 reporting year (April 2001 to March 2002) consisted of site cleaning, maintenance of vegetated areas, completion of the Terry Tunnel site surface reclamation, placement of the American Tunnel #2 Bulkhead and monitoring of the #2 bulkhead performance.

In the following sections of this report, environmental activity during the 2001 reporting year and planned environmental activity for the 2002 reporting year is discussed on a site by site basis. A summary of acreage permitted, disturbed, and undergoing reclamation is presented in Table A (page 2).

### AMERICAN TUNNEL PORTAL AREA - Plate No. 1

During the 2001 reporting year, no additional acreage was disturbed or reclaimed.

Reclamation and environmental activity during 2001 consisted of;

- 1) general site cleaning. Solid waste was disposed of via the local landfill collection company and scrap steel was stored for eventual shipment for recycle.
- 2) maintenance of stormwater runoff controls.
- 3) treatment of water discharge from the portal along with diverted Cement Creek water according to the CDPS Permit for this site and the related Consent Decree agreement with CDPHE. Treatment included periodic cleaning of the settling ponds with a mudcat dredge and tanker trucks. The material removed was hauled to the Mayflower Mill-Tailings Pond No.4. There were no discharge permit parameter violations during the 2001 reporting year.
- 4) monitoring and maintenance of vegetated areas.
- 5) permanent closure of the American Tunnel #1 bulkhead by grouting.
- 6) construction of the American Tunnel #2 bulkhead.
- 7) monitoring of the #2 bulkhead.

Activities planned for 2002 are;

- 1) annual site cleanup.
- 2) maintenance of stormwater drainage controls.

**Table A**  
**Acreage Disturbed and Reclaimed by Site**

Site	Total Permit Area	Acreage Disturbed 2000	Total Acreage Disturbed	Added Acreage Under Reclamation 2000	Total Acreage in Reclamation Phase
AMERICAN TUNNEL	22.05	0	17.06	0.00	6.93
TERRY TUNNEL	7.12	0	4.30	2.65	4.30
SUNNYSIDE BASIN	66.50	0	49.50	0.00	48.76
TAILINGS POND #4	49.90	0	46.48	0.00	25.54
TAILINGS POND #3	9.09	0	7.71	0.00	7.71
TAILINGS PONDS #1 & #2	65.38	0	56.11	0.00	56.11
ENGINEERING OFFICE SETTLING PONDS	10.56	0	10.56	0.00	10.56
MAYFLOWER MILL	5.61	0	5.61	0.00	5.61
<b>TOTAL</b>	<b>236.21</b>	<b>0</b>	<b>197.33</b>	<b>2.65</b>	<b>165.52</b>

Notes: 1) Tailings Pond #4 includes roads and borrow areas  
2) Engineering Office Site includes all areas south of Hwy 110

- 3) maintenance and operation of the water treatment system including the Cement Creek diversion in compliance with the CDPS Permit and related Consent Decree. It is planned to complete closure of the American Tunnel and suspend diversion and treatment of Cement Creek in 2002. The capability of diverting and treating Cement Creek will be maintained. Flows from the lower American Tunnel will be treated but upon completion of the planned American Tunnel bulkhead No.3, flows should no longer exist and treatment will not be necessary.
- 4) monitoring and maintenance of revegetated areas.
- 5) monitoring of the American Tunnel Bulkhead #2 and placement of the planned American Tunnel Bulkhead #3 after equilibrium is reached behind the #2 Bulkhead.

TERRY TUNNEL AREA - Plate No. 2

During the 2001 reporting year, no additional acreage was disturbed. The 4.30 disturbed acres within the permit area were reclaimed.

Activity at this site consisted of;

- 1) completion of surface reclamation.

Activities planned for 2002 are;

- 1) monitoring and maintenance of the reclaimed site.

SUNNYSIDE BASIN (LAKE EMMA) AREA - Plate No. 2

During the 2001 reporting year, no additional acreage was disturbed or reclaimed.

Activity at the site consisted of;

- 1) refilling the area of subsidence over the Lake Emma hole back to grade. The fill material was obtained from the stockpile left for this purpose.
- 2) moving additional material to the stockpile for future filling of the subsidence area and final reclamation.

Planned activity for 2002 includes;

- 1) refilling to grade any subsidence of the Lake Emma backfill.
- 2) monitoring and maintenance of the planted areas.

TAILINGS POND No.4 - Plate No. 3

During the 2001 reporting year no additional acreage was disturbed or reclaimed.

Activity at this site consisted of;

- 1) usage for containment of material removed from the American Tunnel water treatment settling ponds.
- 2) monitoring and maintenance of the vegetation. This included spreading organic material (steer manure) to enhance vegetation growth and long term health.

Planned activity for 2002 includes;

- 1) monitoring and maintenance of the vegetation.
- 2) usage for storage of material generated by water treatment at the American Tunnel.
- 3) possible storage of reclamation waste from other sites and reclamation of areas brought to final grade.

TAILINGS POND #3 AREA - Plate No. 3

Activity at this site consisted of;

- 1) maintenance of stormwater sediment catchment.
- 2) monitoring and maintenance of the vegetation.

Planned activity for 2002 includes;

- 1) monitoring and maintenance of vegetation.
- 2) potential improvement of drainage pathways.

TAILINGS POND #1 AND TAILINGS POND #2 - Plate No. 3

During the 2001 reporting year no additional acreage was disturbed or reclaimed.

Activity at this site consisted of;

- 1) monitoring and maintenance of the vegetation. This included spreading organic material (steer manure) and fertilizer to enhance vegetation growth and long term vegetation health.
- 2) maintenance of stormwater sediment controls.

Planned activity for 2002 includes;

- 1) monitoring and maintenance of the vegetation.
- 2) possible construction of improvements to stormwater diversions.

ENGINEERING OFFICE SETTLING PONDS - Plate No. 3

This site was deeded to the San Juan County Historical Society (SJCHS) during 1996. Use of the quonset building, metal building and topsoil stockpile area was retained by lease arrangement.

The SJCHS is developing plans to create a small industrial park in a portion of this area in the future and is currently leasing the warehouse building and some of the surrounding area to small business concerns. Because of their plans, the SJCHS requested that 7.44 acres of this area be removed from Sunnyside's permit area. Since planned and current usage did not meet the Post Mining Land Use (PMLU) in Sunnyside's reclamation plan, TR-24 was submitted and approved to change the PMLU. Sunnyside submitted a request for release of this area from M-1977-378 and approval was granted in the 2001 report year.

Activity at this site for 2001 consisted of;

- 1) vacation of the site other than use for limited vehicle parking.
- 2) relocation of the topsoil stockpile from this area to the top of Tailings Pond No.4.

Activity planned for 2002 includes;

- 1) monitoring and maintenance of vegetation on the remaining area.

BULKHEADS - TR-14 / TR-16 / TR-22 / TR-23 / TR-25

Activity on this project during the 2001 reporting year consisted of;

- 1) the continuation of the seep, spring and flowing adit inventory required by TR-14. Twenty percent of the sites were required to be sampled and all sites monitored for field parameters twice. SGC monitored each site twice (if flow existed) and sampled more than twenty percent of the sites during the field season. Summary sheets of the data collected are included in Appendix B.
- 2) monitoring of the voluntary Consent Decree agreement projects. The A List projects were completed and inspected by October 1997. The last B List project implemented was approved in 2000.
- 3) permanent closure of the #1 Bulkhead in the American Tunnel after the approved waiting period after equilibrium was established.
- 4) placement of a #2 Bulkhead in the American Tunnel. This was completed during the report year.
- 5) monitoring the #2 Bulkhead for physical equilibrium, pH and sulfates.

Planned activity for 2002 includes;

- 1) permanent closure of the American Tunnel #2 bulkhead after physical equilibrium is reached.
- 2) placement of the American Tunnel #3 Bulkhead.
- 3) monitoring and maintenance for the completed Consent Decree Mine Remediation Projects.
- 3) continuation of the seep, spring and flowing adit inventory and monitoring.

MAYFLOWER MILL AREA - Plate No. 3

Ownership of this site was transferred to the San Juan County Historical Society for conversion into a historical and interpretive tour. This conversion was approved in AM-004 and took place in May of 1996. The Historical Society has operated the tour since 1996. In SR-02 the main mill building area was removed from the permit area and Sunnyside was released from further reclamation responsibility for the building area.

During 1998, a work plan was submitted to CDPHE for inclusion of three water diversion projects as B List projects under the Consent Decree. One of these projects included the construction of an improved upland stormwater diversion system in the Mayflower Mill area. The portion of this project within the MLR permit area was also included in Sunnyside's TR-21 submittal. This work was completed in 1999.

Activity at this site for the 2001 reporting year consisted of;

- 1) monitoring and maintenance of the vegetation and water diversions.

Planned activity for 2002 consists of;

- 1) monitoring and maintenance of the planted areas and water diversions.

MONITORING - Water Quality

Included in Appendix A is water quality data for;

- 1) Mayflower Millsite area
  - a) Animas River above (AR3.5) and below (AR4) complex.
  - b) Boulder Creek above (BC1) and below (BC2) tailings ponds.
  - c) monitoring wells on the banks of the Animas River down gradient from Tailings Pond #3 (EOMW1 and EOMW2)
  - d) diversion ditch flow between Tailings Pond #3 and Tailings Pond #4, up gradient of TP #3, (SCTP3-1) and before entry to the Animas River (SCTP3-2).

- 2) American Tunnel area
  - a) Cement Creek above (CC1/CC1A/CC1B) and below (CC2) complex.
  - b) Springs in the area of the now reclaimed waste dump (ATS1, ATS2).
- 3) Eureka Creek between Sunnyside Basin and the Terry Tunnel (EC1).
- 4) Mine Pool
  - a) American Tunnel
  - b) Terry Tunnel

**MONITORING** - Discussion of Water Quality Monitoring Results

- 1) Mayflower Millsite area  
The Animas River and Boulder Creek monitoring results continue to exhibit increased zinc and manganese concentrations between the upstream and downstream monitoring points during the spring sampling event although the differential appears to have been reduced as a result of the completed diversion projects. Summer or fall sampling events have continued to show smaller or no significant change between these same points.  
Other surface and groundwater sample results in the Mayflower Mill area (Pond No.3 stream SCTP31 and SCTP32 and Wells EOMW1 and EOMW2) were at or below levels of metals observed in the past.
- 2) American Tunnel area  
Cement Creek monitoring reflects some improvement due to stream treatment. Seeps entering the stream bed between CC1 and CC2 carry enough metals that CC2 quality is not the same as treated effluent from the American Tunnel treatment system even though basically all of the stream flow has been treated from August through the end of April, since 1996 (except for June 1999-November 1999 when treatment was temporarily suspended).  
The seep ATS2, originally from the toe of the American Tunnel waste dump, has maintained the level of improvement first seen after completion of the waste dump reclamation. The seep ATS1 appears to have disappeared or relocated due to the reclamation of the waste dump.
- 3) Terry Tunnel/Lake Emma  
Eureka Creek monitoring above the Terry Tunnel continues to show the same level of improvement, as compared to previous years.



4) Mine Pool

The mine pool water is no longer accessible for monitoring with the final closure of the Terry Tunnel and placement of the American Tunnel #2 Bulkhead. Monitoring at the #2 bulkhead reflects water quality between the American Tunnel bulkheads and remained within bulkhead design parameters.

MONITORING - Settling, phreatic water levels and bulkhead inspections

Included in Appendix A are settlement monitoring data for Tailings Pond No.4, phreatic water level monitoring for Tailings Pond No.4 and American tunnel pressure gage readings indicating final depth of mine pool and pressure rise on the American Tunnel #2 Bulkhead.

Tailings Pond No.4 settling and phreatic level monitoring does not reveal any adverse trends. The phreatic level remained low since pond reduction occurred.

Monitoring of the bulkhead pressure gage in the American Tunnel #1 Bulkhead ended with final pipe and valve grouting. As of May 14, 2001, the pressure was 438 psi which reflects a pool surface elevation of 11,661 feet MSL. With some annual variation, this level reflects mine pool physical equilibrium.

The American Tunnel Bulkhead #2 pressure has been monitored since valve closure on August 31, 2001. Pressure has continued to rise throughout the report year although it is well below design pressure. PH and sulfate levels have also remained below design criteria for the bulkhead.

# granite SEED

PACKING SLIP

PACKING SLIP NUMBER: 124427

1697 West 2100 North  
Lehi, Utah 84043  
(801) 768-4422 / (801) 531-1456  
Fax (801) 768-3967  
PROJECT: MOUNTAIN MIX

SOLD TO: 610934  
7000 SUNNYSIDE GOLD CORP.  
P.O. BOX 177  
SILVERTON, COLORADO 81433

SHIP TO:  
SUNNYSIDE GOLD CORP.  
#1 GLADSTONE  
SILVERTON, COLORADO 81433

ACCOUNTING CODE:	CUSTOMER P.O.#:	ORDERED BY:	PHONE NO.:
		LARRY PERINO	(970) 387-5533

TERMS:	SHIPPER:	PREPAID/COLLECT:	FOB:	SALESMAN:	DATE SHIPPED:
NET 30	VIKING	PREPAID	LEHI	DGN	10/03/2000

PLS/ BULK	QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION
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\*\*\* MIX # 32161 \*\*\*

P	15.50000	15.50000	AGROPYRON SMITHII	WESTERN WHEATGRASS
P	25.12000	25.12000	BROMUS BIEBERSTEINII	MEADOW BROMEGRASS
P	15.53000	15.53000	BROMUS INERMIS	SMOOTH BROMEGRASS
P	4.57000	4.57000	DACTYLIS GLOMERATA	ORCHARDGRASS
P	31.97000	31.97000	ELYMUS CINEREUS	GREAT BASIN WILDRYE
P	4.57000	4.57000	FESTUCA OVINA	SHEEP FESCUE
P	1.37000	1.37000	MELILOTUS ALBA	WHITE SWEET CLOVER
P	1.37000	1.37000	POA FRATENSIS	KENTUCKY BLUEGRASS

NOTE: 3 OF 3

Received By: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

PACKING SLIP

Invoice will be sent to the SOLD TO address listed above.

Please read the reverse side of this form carefully. The terms and conditions of sale set forth on both sides of this form constitute the entire agreement between Seller and Buyer. All purchases of products by Buyer shall be governed and subject to the terms and conditions of sale set forth on the reverse side hereof, as in effect from time to time, and nothing contained in any product order of Buyer shall in any way modify such terms and conditions of sale or add any additional terms and conditions unless agreed upon in writing by a corporate officer of Granite Seed. Any additional or inconsistent terms and conditions of any product order of Buyer shall be deemed stricken from such order and each product order shall be deemed to incorporate all of these terms and conditions of sale. Acceptance by Buyer of these terms and conditions is acknowledged by either (1) Buyer's signature set forth herein, or (2) receipt by Buyer of delivery of the products described herein and failure by Buyer to return such products within five (5) days following such delivery.

A-1A

# granite SEED

PACKING SLIP

PACKING SLIP NUMBER: 124425

697 West 2100 North  
Lehi, Utah 84043  
(801) 768-4422 / (801) 531-1456  
Fax (801) 768-3967  
PROJECT: ALPINE MIX

SOLD TO: 610934  
7000 SUNNYSIDE GOLD CORP.  
P.O. BOX 177  
SILVERTON, COLORADO 81432

SHIP TO:  
SUNNYSIDE GOLD CORP.  
#1 GLADSTONE  
SILVERTON, COLORADO 81432

ACCOUNTING CODE:	CUSTOMER P.O.#:	ORDERED BY:	PHONE NO.:
		LARRY	(970) 387-5533
TERMS:	SHIPPER:	PREPAID/COLLECT:	FOB:
NET 30	VIKING	PREPAID	LEHT
		SALESMAN:	DATE SHIPPED:
		DON	10/03/2000

PLS/ BULK	QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION
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\*\*\* MIX # 32159 \*\*\*

P	2.67000	2.67000	AGROSTIS ALBA RED TOP
P	56.25000	56.25000	ALOPECURUS ARUNDINACEUS CREEPING FOXTAIL
P	34.83000	34.83000	DESCHAMPSIA CAESPITOSA TUFTED HAIRGRASS
P	16.00000	16.00000	FESTUCA OVINA SHEEP FESCUE
P	13.38000	13.38000	POA ALPINUM ALPINE BLUEGRASS
P	26.79000	26.79000	TRIFOLIUM REPENS WHITE DUTCH CLOVER

NOTE: 1 OF 3

Received By: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

PACKING SLIP

Invoice will be sent to the SOLD TO address listed above.

Please read the reverse side of this form carefully. The terms and conditions of sale set forth on both sides of this form constitute the entire agreement between Seller and Buyer. All purchases of products by Buyer shall be governed and subject to the terms and conditions of sale set forth on the reverse side hereof, as in effect from time to time, and nothing contained in any product order of Buyer shall in any way modify such terms and conditions of sale or add any additional terms and conditions unless agreed upon in writing by a corporate officer of Granite Seed. Any additional or inconsistent terms and conditions of any product order of Buyer shall be deemed stricken from such order and each product order shall be deemed to incorporate all of these terms and conditions of sale. Acceptance by Buyer of these terms and conditions is acknowledged by either (1) Buyer's signature set forth herein, or (2) receipt by Buyer of delivery of the products described herein and failure by Buyer to return such products within five (5) days following such delivery.

A-1B



PACKING SLIP

PACKING SLIP NUMBER: 124426

1697 West 2100 North  
Lehi, Utah 84043  
(801) 768-4422 / (801) 531-1456  
Fax (801) 768-3967  
PROJECT: LAKE EMMA SEED MIX

SOLD TO: 610934  
7000 SUNNYSIDE GOLD CORP.  
P.O. BOX 177  
SILVERTON, COLORADO 81433

SHIP TO:  
SUNNYSIDE GOLD CORP.  
#1 GLADSTONE  
SILVERTON, COLORADO 81433

ACCOUNTING CODE:	CUSTOMER P.O.#:	ORDERED BY:	PHONE NO.:
		LARRY	(970) 387-5533

TERMS:	SHIPPER:	PREPAID/COLLECT:	FOB:	SALESMAN:	DATE SHIPPED:
NET 30	VIKING	PREPAID	LEHI	DON	10/03/2000

PLS/ BULK	QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION
--------------	---------------------	---------------------	-------------

\*\*\* MIX # 32160 \*\*\*

P	5.41000	5.41000	AGROPYRON TRACHYCAULUM	SLENDER WHEATGRASS
P	6.00000	6.00000	ALOPECURUS ARUNDINACEUS	CREeping FOXTAIL
P	31.76000	31.75000	BROMUS INERMIS	SMOOTH BROMEGRASS
P	4.39000	4.39000	FESTUCA LONGIFOLIA	HARD FESCUE
P	1.35000	1.35000	PHLEUM PRATENSE	CLIMAX TIMOTHY
P	1.01000	1.01000	POA ALPINUM	ALPINE BLUEGRASS

NOTE: 2 OF 3

Received By: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

PACKING SLIP

Invoice will be sent to the SOLD TO address listed above.

Please read the reverse side of this form carefully. The terms and conditions of sale set forth on both sides of this form constitute the entire agreement between Seller and Buyer. All purchases of products by Buyer shall be governed and subject to the terms and conditions of sale set forth on the reverse side hereof, as in effect from time to time, and nothing contained in any product order of Buyer shall in any way modify such terms and conditions of sale or add any additional terms and conditions unless agreed upon in writing by a corporate officer of Granite Seed. Any additional or inconsistent terms and conditions of any product order of Buyer shall be deemed stricken from such order and each product order shall be deemed to incorporate all of these terms and conditions of sale. Acceptance by Buyer of these terms and conditions is acknowledged by either (1) Buyer's signature set forth herein, or (2) receipt by Buyer of delivery of the products described herein and failure by Buyer to return such products within five (5) days following such delivery.

A-1C

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
LR Report

Site: AR 3.5

Mean			7.3	271	180	3	31	0	127	38	90	0	0.25	0.18	0.001	0.531	0.001	0.004	0.000	0.00	0.00	0.03	0.00	0.07	0.25	0.47	0.38
Std dev			0.5	47	47	4	5	0	23	8	22	0	0.42	0.34	0.005	0.222	0.001	0.005	0.000	0.01	0.00	0.08	0.01	0.13	0.15	0.21	0.13
Station	Sampledate	Qmpd	FieldpH	labcond	TDS(180)	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/L	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
AR3.5	03-May-88	38.4	7.9	260	166	3	26	nd	115	31	80	0	0.23	0.03	nd	0.4	nd	nd	nd	nd	nd	nd	nd	nd	0.3	0.49	
AR3.5	18-Oct-88	26.7	7.1	270	200	3	34	nd	125	41	90	0	2.55	0.90	nd	0.39	nd	nd	0.03	nd	nd	nd	nd	0.35	0.18	0.29	
AR3.5	20-Apr-89	115.9	7.9	218	58	2	19	nd	93	23	70	0	0.31	0.35	nd	0.39	0.008	nd	nd	nd	nd	0.1	nd	0.12	0.49	0.98	
AR3.5	16-May-89	76.0	7.1	197	112	1	27	<1	86	27	56	0	0.31	0.1	<0.005	0.52	0.002	<0.001	<0.02	<0.01	<0.01	<0.02	0.11	0.26	0.5		
AR3.5	30-Oct-89	17.6	8.0	339	302	2	32	0	139	38.65	109.05	0	0.14	<0.01	<0.005	0.53	0.002	nd	nd	nd	nd	0.4	nd	0.16	nd	0.17	
AR3.5	12-Mar-90	notmeat	8.2	371	272	6	31	0	168	37.28	136.62	0	0.18	0.199	<0.005	0.528	0.0027	nd	0.005	nd	nd	nd	nd	nd	0.22	0.42	
AR3.5	04-May-90	35.7	8.5	290	186	1	30	0	130	36.1	99.2	0	0.23	0.07	<0.005	0.9	0.0015	nd	nd	nd	nd	nd	nd	nd	0.23	0.48	
AR3.5	30-Jul-90		7.7	230	194	2	23	0	108	28	88	0	0.44	0.06	<0.005	0.52	0.0013		0.0002	<0.004	<0.01	<0.1	<0.02	<0.05	0.14	0.27	
AR3.5	24-Sep-90								160																		
AR3.5	30-Oct-90	47.0	8.0	254	138	3	31	0	112	37.8	79.4	0	0.06	0.38	<0.005	1.49	0.0018		<0.001	<0.004	<0.01	<0.1	<0.02	<0.05	0.38	0.38	0.45
AR3.5	06-Dec-90		7.7		138																						
AR3.5	11-Dec-90				138																						
AR3.5	15-Jan-91				143																						
AR3.5	24-Jan-91				157																						
AR3.5	12-Mar-91				152																						
AR3.5	30-Apr-91	35.1	6.7	274.0	172	21	32	0	124	38.4	84	0	0.19	<0.04	<0.01	0.91	0.0007		<0.001	<0.005	<0.01	<0.1	<0.02	<0.05	0.21	0.41	0.46
AR3.5	25-Sep-91	16.47	7.82	255	182	<1	41		121	50	86.1	0	<0.04	1.08	<0.01	0.44	<0.002		<0.001	<0.02	<0.01	<0.1	<0.02	<0.05	0.21	0.4	0.27
AR3.5	09-Apr-92	24.2	7.8	266	206	1	26		138	31.7	109	0	0.1	<0.02	0.018	0.44	<0.002		<0.001	<0.02	<0.01	<0.1	<0.02	<0.05	0.17	0.48	0.35
AR3.5	09-Apr-92				<2																						
AR3.5	11-Sep-92	42.0	7.6	254	186	<1	38		135	45.8	92	<1	0.06	<0.02	<0.01	0.38	<0.002		<0.001	<0.02	<0.01	<0.1	<0.02	<0.05	0.26	0.45	0.26
AR3.5A	12-Feb-93	ND	7.4		264	2			185		158		<0.01	<0.05	<0.002							<0.05	<0.02	<0.08			
AR3.5	28-Apr-93	45.0	7.4	243	150	7	35		110	42	79	0	0.19	0.22	<0.01	0.44	<0.002		<0.001	<0.005	<0.001	0.1	<0.02	0.08	0.13	<0.05	0.32
AR3.5	27-Jul-93	90.4	7.3																								
AR3.5	15-Sep-93	46.9	6.9	244	158	3	33	<1	110	41	79	0	0.11	0.04	<0.01	0.49	<0.002		<0.001	<0.005	<0.001	<0.1	<0.02	0.05	0.2	0.5	0.21
AR3.5	21-Apr-94	52.0	7.1	223	164	7	29		107	36	80	0	0.44	0.7	<0.01	0.37	<0.002	0.004	<0.001	<0.005	<0.001	<0.1	<0.02	0.13	0.23	0.3	0.37
AR3.5	27-Oct-94	29.0	7.3	271	192	<1	34		118	41	85	0	0.23		<0.05	0.36	<0.002	0.004	<0.001	<0.005	<0.001	<0.1	<0.02	<0.05	0.25	0.5	0.39
AR3.5	13-Apr-95	30.3	6.6	288	178	<1	32		133	39	104	0	0.24	0.26	<0.01	0.49	<0.002	0.005	<0.001	<0.005	<0.001	<0.1	<0.02	<0.05	0.23	0.5	0.37
AR3.5	12-Oct-95	37.0	7.5	230	200	<1	32		133	39	87	0	0.02	1.46	<0.01	0.43	<0.002	0.018	<0.001	<0.005	<0.001	0.1	0.03	0.09	0.26	0.38	0.33
AR3.5	16-Apr-96	32.5	7.2	289	184	<2	30		127	36.6	96	<1	<0.05	<0.05	<0.01	0.43	<0.001	<0.005	<0.001	<0.005	<0.001	0.05	<0.001	0.08	0.27	1.3	0.5
AR3.5	01-Jul-96	ND	8.3												<0.01		<0.001	0.008		<0.005		<0.05	0.04	0.22		0.25	
AR3.5	24-Oct-96	32.2	6.7	210	160	6	32		120	39	88.1	<1		<0.05	0.01	0.48	<0.001	0.001	<0.001	<0.005	<0.001	<0.05	<0.01	0.07	0.16	0.44	0.27
AR3.5	16-Apr-97	25.5	6.9	300	200	<2	33		143	39.7	111	<1	0.32	<0.05	<0.01	0.81	<0.001	0.002	<0.001	<0.005	<0.001	<0.05	<0.001	0.07	0.22	0.55	0.38
AR3.5	30-May-97	ND	6.8												<0.001		<0.001	0.009		<0.005		0.21	0.05	0.16		0.34	
AR3.5	09-Sep-97	47.4	6.4	240	190	<2	36		115	43	71	<1	<0.05	<0.05	0.02	0.47	<0.001	0.01	<0.001	<0.005	<0.01	<0.05	<0.01	0.19	0.26	0.4	0.23
AR3.5	24-Mar-98	22.2	6.8	330	230	9	35		146	43	101	<1	0.27	<0.05	<0.01	0.59	0.001	<0.01	<0.001	<0.005	<0.01	0.11	<0.01	0.18	0.46	0.6	0.38
AR3.5	27-May-98	ND	6.4						87		34						0.001	<0.001		0.006		<0.05	0.06	0.16		0.31	
AR3.5	23-Oct-98	43.0	7.5	250	190	<2	35		119	43	81	<1	0.29	<2	<0.01	0.46	<0.001	<0.01	<0.001	<0.005	<0.01	<0.05	<0.01	0.02	0.2	0.4	0.29
AR3.5	15-Mar-99	12.8	6.5	320	240	3	36		153	44	118	<1	0.16	<0.05	<0.01	0.52	<0.001	<0.001	<0.005	<0.01	<0.05	<0.01	0.04	0.3	0.6	0.32	
AR3.5	13-Oct-99	42.5	7.3	320	190	<2	40		121	49	81	<1	0.23	0.11	<0.01	0.45	<0.001	0.001	<0.001	<0.005	<0.01	<0.05	<0.001	0.03	0.24	0.5	0.300
AR3.5	27-Apr-00	ND	6.6	220	190	6	27		82	32	53	<1	0.32	<0.05	<0.01	0.3	0.001	0.008	<0.001	<0.005	<0.01	<0.05	<0.01	0.02	0.18	0.27	0.41
AR3.5	05-Oct-00	21.0	7.1	290	190	2	19		130	23	100	<1	0.36	<0.05	<0.01	0.7	<0.001	0.002	<0.001	<0.005	<0.01	<0.05	<0.01	0.05	0.34	0.4	0.368
AR3.5	18-Apr-01	33.6	6.8	270	180	<2	30	<1	116	36	80	<1	<0.05	0.07	<0.01	0.53	0.001	<0.01	<0.001	<0.005	<0.01	<0.05	<0.01	0.03	0.15	0.5	0.234
AR3.5	02-Oct-01		6.9	420	220	5	34		146	42	110	<1	<0.05	0.24	<0.01	0.81	<0.001	<0.01	<0.001	<0.005	<0.01	<0.05	<0.01	0.02	0.23	0.5	0.289
AR3.5	04-Apr-02	36.4	7.1	264	160	<2	30		121	37	85	<1	0.32	<0.05	<0.01	0.44	<0.001	<0.01	<0.001	<0.005	<0.01	0.08	<0.01	0.71	0.16	0.4	0.289

A-2

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
MLR Report

Site: AR 4

Mean			7.1	293		191	5	33	0	130	40		98	0	0.21	0.14	0.002	0.636	0.002	0.000	0.01	0.00	0.04	0.00	0.00	0.04	0.99	0.52	0.62
Std dev			0.5	57		51	11	6	0	25	6		26	0	0.15	0.18	0.005	0.423	0.002	0.000	0.04	0.00	0.08	0.00	0.00	0.05	0.65	0.21	0.33
						mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampledate	Qmgd	FieldpH	labcond	TDS(180)	TSS	Alk	Ac	Hard	Bicarb		Sulfate	CO3	NO3&NO2	NH3-N	Cyanide	Fl	dCd	dHg	dPb	dAg	dAl	dCrT	dCu	dFe	dMn	dSr	dZn	
AR4	01-Aug-86		7.7		130	2																							
AR4	01-Sep-86		7.4		134	8											0.011												
AR4	01-Oct-86		7.3		165	2				154				0.01	0.01	0.001													
AR4	02-Sep-87	51.8	7.8	259	180	nd	32	nd	120	39	90	0	0.27	0.1			0.28	0.002	nd	nd	nd	nd	nd	nd	nd	0.58		0.44	
AR4	03-May-88	40.4	7.8	287	182	4	30	nd	127	37	100	0	0.3	0.07	nd		0.42	nd	nd	nd	nd	nd	nd	nd	nd	0.58		0.58	
AR4	18-Oct-88	29.8	7.1	293	224	nd	32	nd	137	38	110	0	0.23	0.27	nd		0.41	nd	nd	nd	nd	nd	nd	nd	0.05	0.39		0.31	
AR4	20-Apr-89	110.7	7.2	216	78	2	37	nd	105	45	67	0	0.35	0.17	nd		0.41	0.007	nd	0.02	nd	0.1	nd	0.01	0.21	0.5		0.85	
AR4	18-May-89	78.0	7.0	202	120	1	27	<1	87	27	59	0	0.28	<1	<0.005	0.41	0.002	<0.001	<0.02	<0.01	<0.01	<0.02	<0.01	<0.05	0.82		0.89		
AR4	30-Oct-89	19.8	7.6	393	346	1	37	0	168	44.69	131.68	0	0.18	<0.01	<0.005	0.89	0.002	nd	nd	nd	0.2	nd	0.01	0.12	nd		0.08		
AR4	04-May-90	41.9	7.8	343	224	4	28	0	149	33.8	125.1	0	0.53	0.11	0.011	0.94	0.0032	nd	nd	nd	nd	nd	nd	nd	0.84		0.89		
AR4	30-Oct-90	55*	7.7	271	138	4	41	0	124	50	80.7	0	0.17	0.14	<0.005	2.75	0.001	<0.001	0.005	<0.01	<1	<0.02	<0.01	<0.05	0.61	0.41			
AR4	30-Apr-91	35.3	8.1	338	232	2	28	0	150	34.2	124	0	0.5	0.06	<0.01	1.01	0.002	<0.001	<0.005	<0.01	0.1	<0.02	0.01	<0.05	0.86	0.49	0.93		
AR4	25-Sep-91	20.89	7.81	286	196	<1	39.6		130	48.2	96.6	0	<0.04	0.12	<0.01	0.46	<0.002	<0.001	<0.02	<0.01	<1	<0.02	<0.01	<0.05	0.45	0.44	0.35		
AR4	09-Apr-92	44.0	7.5		230	<1	24		150	28.7	128	0	0.11	0.05	<0.002	0.53	<0.002	<0.001	<0.02	<0.01	<1	<0.02	<0.01	<0.05	0.91	0.52	0.7		
AR4	09-Apr-92					<2																							
AR4	11-Sep-92	27.0	7.4		186	3	37		137	44.5	96.6	<1	0.04	0.03	<0.01	0.38	<0.002	<0.001	<0.02	<0.01	<1	<0.02	<0.01	0.05	0.5	0.47	0.33		
AR4	28-Apr-93	54.0	7.3	300	190	9	33		134	40	110	0	0.27	0.1	<0.01	0.61	0.003	<0.001	<0.005	<0.001	0.1	<0.02	0.01	<0.05	1.92	0.5	1.64		
AR4	27-Jul-93	94.5	7.1																										
AR4	15-Sep-93	47.8	7.4	257	178	1	34	<1	119	42	85	0	0.01	0.02	<0.01	0.47	<0.002	<0.001	<0.005	<0.001	0.1	<0.02	<0.001	0.07	0.53	0.5	0.3		
AR4	21-Apr-94	63.0	7.2	249	186	10	32		114	39	83	0	0.41	0.6	<0.01	0.4	<0.002	<0.001	<0.005	<0.001	<1	<0.02	0.005	0.06	0.75	0.3	0.53		
AR4	27-Oct-94	31.0	7.4	286	168	<1	36		126	44	94	0	0.25		<0.05	0.39	<0.002	<0.001	0.22	<0.001	0.1	<0.02	0.007	<0.05	0.79	0.6	0.56		
AR4	13-Apr-95	30.7	6.5	335	208	<1	32		151	39	125	0	0.29	0.43	0.01	0.62	0.004	<0.001	<0.005	<0.001	<1	<0.02	0.009	<0.05	1.81	0.6	1.06		
AR4	12-Oct-95	38.0	7.3	240	272	<1	32		134	39	98	0	0.08	0.61	<0.01	0.43	0.002	<0.001	<0.005	<0.001	0.1	0.02	0.019	0.07	0.88	0.41	0.45		
AR4	18-Apr-96	35.8	7.3	329	200	<2	28		143	34.2	115	<1	<0.05	<0.05	0.02	0.53	0.004	<0.001	<0.005	<0.001	0.1	<0.01	0.01	<0.05	2.1	1.4	1.35		
AR4	01-Jul-96	ND	6.4												<0.01		<0.001	<0.005	<0.001	<0.05	<0.001	<0.05	0.004	<0.025	0.42	0.29			
AR4	24-Oct-96	34.3	7.0	277	186	2	32		130	39.5	98.4	<1		<0.05	0.02	0.53	0.001	<0.001	<0.005	<0.001	<0.05	<0.01	0.003	0.05	0.86	0.44	0.46		
AR4	16-Apr-97	31.3	6.9	349	240	<2	30		165	36	140	<1	0.33	<0.05	<0.01	0.81	0.004	<0.001	<0.005	<0.001	0.07	<0.01	0.01	<0.02	2.61	0.62	1.23		
AR4	30-May-97	ND	6.5														0.001	<0.005	<0.005	<0.001	0.25	<0.01	0.01	0.05	0.56	0.43			
AR4	09-Sep-97	52.6	6.2	260	200	<2	34		123	42	83	<1	<0.05	<0.05	<0.01	0.51	0.001	<0.001	<0.005	<0.01	<0.05	<0.01	<0.01	0.05	1	0.4	0.4		
AR4	24-Mar-98	24.5	7.0	370	250	5	34		160	42	117	<1	0.26	<0.05	<0.01	0.7	0.003	<0.001	<0.005	<0.01	0.12	<0.01	<0.01	0.05	2.03	0.6	0.97		
AR4	27-May-98	ND	5.8						77		35						<0.001	0.008	<0.05	<0.001	<0.05	<0.001	<0.001	0.06	0.37	0.355			
AR4	23-Oct-98	59.00	7.5	260	200	2	39		128	47	91	<1	0.27	0.11	<0.01	0.48	0.01	<0.001	<0.005	<0.01	<0.05	<0.01	<0.01	0.19	0.99	0.3	0.43		
AR4	15-Mar-99	19.3	6.5	370	270	3	36		172	44	146	<1	0.17	<0.05	<0.01	0.61	0.002	<0.001	<0.005	<0.01	<0.05	<0.01	0.006	0.03	2.32	0.6	0.78		
AR4	13-Oct-99	37.5	7.3	330	180	2	41		130	50	82	<1	0.16	0.14	<0.01	0.49	0.00	<0.001	<0.005	<0.01	<0.05	<0.01	0.002	0.04	1.29	0.5	0.48		
AR4	27-Apr-00	ND	6.8	230	170	6	26		85	32	57	<1	0.31	<0.05	<0.01	0.74	0.001	<0.001	<0.005	<0.01	<0.05	<0.01	0.007	0.03	<0.001	0.28	0.545		
AR4	05-Oct-00	30.3	6.9	300	200	3	19		139	23	111	<1	0.4	<0.05	<0.01	0.7	0.001	<0.001	<0.005	<0.01	<0.05	<0.01	0.007	0.08	1.21	0.4	0.48		
AR4	18-Apr-01	36.0	6.1	300	230	<2	37	<1	126	45	96	<1	<0.05	0.14	<0.01	0.65	0.003	<0.001	<0.005	<0.01	0.08	<0.01	<0.01	0.04	1.81	0.6	0.68		
AR4	02-Oct-01	27.5	6.8	440	240	3	38		153	46	125	<1	<0.05	0.18	<0.01	0.89	0.001	<0.001	<0.005	<0.01	<0.05	<0.01	<0.01	0.04	1.45	0.6	0.477		
AR4	04-Apr-02	35.2	6.5	280	190	<2	30		126	37	95	<1	0.33	0.05	<0.01	0.46	<0.001	<0.001	<0.005	<0.01	0.07	<0.01	<0.01	0.17	0.88	0.4	0.411		

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
MLR Report

Site: BC 1

Mean			7.0	126	118	2	26	0	58	32	29	0	0.20	0.07	0.001	0.480	0.000	0.000	0.00	0.00	0.01	0.00	0.00	0.02	0.03	0.20	0.04
Std dev			1.3	39	184	3	6	0	18	8	12	0	0.12	0.12	0.006	0.589	0.001	0.000	0.01	0.00	0.03	0.00	0.01	0.09	0.08	0.12	0.03
					mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampledate	Qmgd	FieldpH	labcond	TDS(180)	TSS	Alk	Ac	Hard	Bicarb	Sulfate	CO3	NO3&NO2	NH3-N	Cyanide	Fl	dCd	dHg	dPb	dAg	dAl	dCrT	dCu	dFe	dMn	dSr	dZn
BC1	01-Jul-88		6.88		34	1																					
BC1	01-Sep-88		7.29		54	3																					
BC1	01-Oct-88		6.77		65	13							0.01	0.01	0.001												
BC1	28-Oct-88	0.82	8.24	155	104	12	34	nd	79	41.0	40.0	0.0	0.14	0.37	nd	0.23	0.002	nd	0.08	nd	0.10	nd	0.01	0.49	0.34		0.10
BC1	26-Apr-89	5.23	7.25	94	26	7	19	nd	93	23.0	13.0	0.0	0.17	nd	nd	0.39	nd	nd	nd	nd	0.10	nd	0.01	nd	nd		0.09
BC1	30-Oct-89	1.17	7.39	188	202	2	28	0	63	33.8	36.6	0.0	0.21	<.01	<.006	0.27	0.002	nd	nd	nd	nd	nd	nd	nd	nd		nd
BC1	04-May-90	1.89	7.99	122	74	<.5	21	0	52	25.6	31.9	0.0	0.25	<.02	<.005	0.42	0.000	nd	nd	nd	nd	nd	nd	nd	nd		0.04
BC1	30-Oct-90	2.00	7.83	118	42	3	27	0	60	33.6	25.5	0.0	0.08	0.07	<.005	3.21	<.0002	<.001	<.004	<.01	<.02	<.01	<.05	<.02		0.18	0.03
BC1	30-Apr-91	1.22	6.58	149	94	2	24	0	55	28.7	28.6	0.0	0.14	<.04	<.01	0.63	<.0005	<.005	<.005	<.01	0.10	<.02	<.01	<.05	<.02	0.20	0.04
BC1	25-Sep-91	0.9	7.7	125	102	<.1	31	0	60	37.8	33.1	0	<.04	0.08	<.01	0.20	<.002	<.001	<.02	<.01	<.02	<.01	<.05	<.02	0.19	0.02	
BC1	01-May-92	7.1	7.2	64	46	1	18	<.1	36	21.4	11.7	0	0.1	<.02	<.01	1.19	<.002	<.001	<.02	<.01	0.10	<.02	<.01	0.05	<.02	0.08	0.04
BC1	09-Nov-92	0.4	7.4	165	106	1	28		75	34.8	46.7	<.1	0.18	0.01	0.01	0.27	<.002	<.001	<.01	<.01	<.1	<.02	<.005	<.05	<.02	0.42	0.01
BC1	14-May-93	10.7	7.4	67	40	2	21		33	25	14	0	0.24	0.05	<.01	0.16	<.002	<.001	<.005	<.001	<.1	<.02	0.01	<.05	<.02	<.5	0.03
BC1	28-Jul-93	6.0	6.6																								
BC1	04-Oct-93	1.1	ND	142	80	4	29	<.1	59	35	37	0	0.1	0.09	<.01	0.25	<.002	<.001	<.005	<.001	<.1	<.02	<.001	<.05	0.07	<.5	0.03
BC1	25-Apr-94	3.2	7.3	86	54	1	16		40	19	19	0	0.37	0.1	<.01	0.19	<.002	<.001	<.005	<.001	<.1	<.02	0.008	<.05	<.02	0.1	0.03
BC1	26-Oct-94	2.6	6.6	120	84	<.1	40		56	48	26	0	0.13		<.05	0.11	<.002	<.001	<.005	<.001	<.1	<.02	0.004	<.05	0.06	0.2	0.02
BC1	27-Apr-95	1.1	7.1	150	102	1	28		87	34	36	0	0.31	0.15	<.05	0.36	<.002	<.001	<.005	<.001	<.1	<.02	<.005	<.05	<.02	0.3	0.04
BC1	31-Oct-95	0.6	7.4	189	130	<.2	36		88	44.4	47.4	0	0.25	0.18	<.01	0.36	<.002	<.001	<.005	0.001	<.1	<.02	0.002	<.05	<.02	0.4	0.02
BC1	26-Apr-96	3.4	7.3	60	82	2	20		38	24.4	18.5	<.1	0.4	<.05	0.03	0.21	<.001	<.001	<.005	<.001	<.05	0.01	<.025	<.02	0.14	0.05	
BC1	24-Oct-96	1.1	6.8	130	84	<.2	28		60	33.7	39.9	<.1		<.05	<.01	0.29	<.001	<.001	<.005	<.001	<.05	0.003	<.025	0.29	0.23	0.11	
BC1	16-Apr-97	ND	7.2	157	90	<.2	28		72	34.2	43.6	<.1	0.39	<.05	<.01	0.48	<.001	<.001	<.005	<.001	<.05	<.01	0.008	<.02	<.005	0.32	0.04
BC1	09-Sep-97	1.2	8.5	140	120	<.2	32		52	36	33	<.1	<.05	<.05	<.01	0.29	<.001	<.001	<.005	<.01	<.05	<.001	<.01	<.02	<.005	0.2	<.025
BC1	23-Apr-98	1.1	7.4	120	70	<.2	23		48	28	25		0.33	0.05	<.01	0.3	<.001	<.001	<.005	<.01	<.05	<.01	0.09	0.07	0.2	0.037	
BC1	27-May-98	ND	6.4						35		10						<.001		0.009		<.05	<.001	<.02	<.005		0.03	
BC1	14-Oct-98	1.4	7.6	130	90	5	29		60		27		0.2	<.05	<.01	0.22	<.001	<.001	<.005	<.01	<.05	<.01	<.02	<.005	0.2	0.026	
BC1	23-Mar-99	1.4	7.3	120	1110	4	26		56	32	29	<.1	0.25	<.05	<.01	0.32	<.001	<.001	<.005	<.01	<.05	<.001	0.007	<.02	<.01	0.22	0.035
BC1	14-Oct-99	1.5	7.5	220	120	<.2	38		81	48	43	<.1	0.21	0.1	<.01	0.31	<.001	<.001	<.005	<.01	<.05	<.01	<.02	<.01	0.44	0.027	
BC1	27-Apr-00	10.2	8.5	80	90	<.2	19		30	23	15	<.1	0.25	<.05	<.01	1.22	<.001	<.001	<.005	<.01	<.05	<.01	0.008	<.02	<.01	0.09	0.044
BC1	27-Sep-00	1.7	7.4	100	130	3	26		80	32	45	<.1	0.3	<.05	<.01	0.3	<.001	<.001	<.005	<.01	<.05	<.01	0.015	0.04	<.01	0.3	0.038
BC1	30-Apr-01	4.3	7.2	80	70	<.2	18	<.1	31	22	14	<.1	<.05	0.52	<.01	0.3	<.001	<.001	<.005	<.01	<.05	<.01	0.016	<.02	<.01	<.01	0.043
BC1	26-Sep-01	0.3	7.0	180	100	<.2	34		79	42	45	<.1	0.25	<.05	<.01	0.79	<.001	<.001	<.005	<.01	<.05	<.01	<.02	<.01	0.3	<.025	
BC1	05-Apr-02	2.3	8.8	84	60	<.2	18		38	22	16	<.1	0.33	0.05	<.01	0.18	0.001	<.001	<.005	<.01	<.05	<.01	0.02	<.01	0.1	0.035	

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
LR Report

Site:

BC 2

Mean			7.2	163	109	13	32	1	68	30	51	0	1.82	0.05	0.000	0.634	0.003	0.000	0.01	0.00	0.20	0.00	0.01	0.18	1.71	0.20	0.64
Std dev			0.5	58	37	34	37	3	23	10	44	0	7.29	0.09	0.000	0.616	0.005	0.000	0.05	0.00	0.72	0.01	0.01	0.73	2.45	0.12	1.17
Station	Sampledate	Qmgd	FieldpH	labcond	mg/l TDS(180)	mg/l TSS	mg/l Alk	mg/l Ac	mg/l Hard	mg/l Bicarb	mg/l Sulfate	mg/l CO3	mg/l NO3&NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl	mg/l dCd	mg/l dHg	mg/l dPb	mg/l dAg	mg/l dAl	mg/l dCrT	mg/l dCu	mg/l dFe	mg/l dMn	mg/l dSr	mg/l dZn
BC2	01-Jul-86		6.57		71	184																					
BC2	01-Sep-86		7.68		68	4																					
BC2	01-Oct-86		7.02		77	4																					
BC2	28-Oct-88	0.88	8.3	181	110	3	33	nd	85	40.0	50.0	0.0	0.14	0.42	nd	0.30	0.004	nd	0.09	nd	0.20	nd	0.02	0.58	1.08		0.36
BC2	26-Apr-89	5.46	7.53	101	52	46	7	nd	40	9.0	20.0	0.0	0.07	nd	nd	0.53	0.002	nd	nd	nd	0.10	nd	0.04	nd	0.59		0.28
BC2	30-Oct-89	0.77	7.61	204	202	49	30	0	82	36.2	252.7	0.0	0.17	< 0.1	< 0.005	0.46	0.002	nd	nd	nd	4.00	ND	0.02	3.96	0.07		0.16
BC2	04-May-90	1.65	7.22	240	146	41	15	10	106	18.6	86.7	0.0	0.88	0.08	< 0.005	1.43	0.019	nd	0.04	nd	nd	0.03	nd	9.18		2.59	
BC2	30-Oct-90	2*	7.83	130	54	5	14	0	56	16.5	34.2	0.0	0.08	0.07	< 0.005	2.19	0.001	< 0.001	< 0.004	< 0.1	< 0.02	< 0.1	< 0.05	1.53	0.17	0.28	
BC2	30-Apr-91	1.35	7.77	244	142	14	16	0	109	20.1	88.5	0.0	0.17	< 0.04	< 0.1	1.67	0.018	< 0.001	< 0.005	< 0.1	0.20	< 0.02	0.06	0.44	9.03	0.23	5.94
BC2	25-Sep-91	1.5	7.5	133	102	1	26	0	60	33.6	36.7	0	< 0.04	0.06	< 0.1	0.26	< 0.002	< 0.001	< 0.02	< 0.1	< 0.1	< 0.02	< 0.1	< 0.05	0.26	0.18	0.12
BC2	01-May-92	9.4	7.2	69	44	2	20	< 1	36	23.8	13.6	0	0.1	< 0.02	< 0.1	2.61	< 0.002	< 0.001	< 0.02	< 0.1	< 0.1	< 0.02	< 0.1	< 0.05	0.02	0.08	0.13
BC2	09-Nov-92	0.3	7.1	180	124	3	28		78	34.2	53.1	< 1	0.16	< 0.1	< 0.1	0.33	< 0.002	< 0.001	< 0.1	< 0.1	0.1	< 0.02	< 0.005	< 0.05	0.46	0.41	0.12
BC2	14-May-93	11.2	7.0	127	74	15	18		56	23	33	0	0.24	0.06	< 0.1	0.3	0.003	< 0.001	0.005	< 0.01	0.1	< 0.02	0.02	0.07	2.45	< 5	0.83
BC2	28-Jul-93	5.3	6.6																								
BC2	04-Oct-93	1.1	7.9	165	94	< 1	29	< 1	77	35	46	0	0.05	0.09	< 0.1	0.31	< 0.002	< 0.001	< 0.005	< 0.001	< 0.1	< 0.02	< 0.001	< 0.05	0.88	< 5	0.28
BC2	25-Apr-94	2.2	7.4	122	84	10	18		59	22	38	0	0.43	0.11	< 0.1	0.31	0.002	< 0.001	< 0.005	< 0.001	0.1	< 0.02	0.01	< 0.05	1.38	0.1	0.53
BC2	26-Oct-94	1.94	6.3	143	98	1	26		61	34	34	0	0.29	ND	< 0.05	0.19	< 0.002	< 0.001	0.24	< 0.001	0.2	< 0.02	0.008	< 0.05	0.69	0.2	0.19
BC2	27-Apr-95	1.6	6.8	250	178	13	24		102	29	84	0	0.38	0.13	< 0.05	0.73	0.006	< 0.001	< 0.005	< 0.001	0.1	< 0.02	0.012	< 0.05	5.13	0.3	1.63
BC2	31-Oct-95	0.4	7.6	195	128	< 2	36		90	43.9	51.5	0	< 0.1	0.14	< 0.1	0.37	< 0.002	< 0.001	< 0.005	< 0.001	< 0.1	< 0.02	0.002	0.05	0.27	0.4	0.01
BC2	26-Apr-96	3.6	7.4	90	119	3	220		52	24.4	39.5	< 1	39.5	< 0.05	< 0.1	0.38	0.003	< 0.001	< 0.005	< 0.001	0.2	< 0.01	0.016	0.05	1.68	0.17	0.61
BC2	24-Oct-96	2.3	6.9	278	110	3	28		50	34.2	28.8	< 1		< 0.05	< 0.1	0.21	< 0.001	< 0.001	< 0.005	< 0.001	< 0.05	< 0.01	0.002	< 0.025	< 0.1	0.2	< 0.05
BC2	18-Apr-97	1.2	6.7	239	158	5	23		105	27.5	90.1	< 1	0.41	< 0.04	< 0.1	0.84	0.007	< 0.001	< 0.005	< 0.001	0.13	< 0.01	0.014	< 0.02	4.43	0.33	1.61
BC2	06-Sep-97	2.3	6.3	130	120	< 2	28		45	34	33	< 1	< 0.05	< 0.05	< 0.1	0.28	< 0.001	< 0.001	< 0.005	< 0.01	< 0.05	< 0.01	< 0.01	< 0.02	0.22	0.2	< 0.025
BC2	23-May-98	1.9	6.7	210	130	< 2	39		82	48	66	< 1	0.4	< 0.05	< 0.1	0.72	0.003	< 0.001	< 0.005	< 0.01	< 0.05	< 0.01	0.03	0.02	5.05	0.2	1.46
BC2	27-May-98	ND	6.2						37		12						< 0.001	< 0.005	< 0.001	< 0.05	< 0.01	< 0.001	< 0.02	0.26			0.1
BC2	14-Oct-98	0.8	7.7	150	110	< 2	32		71		35		0.23	< 0.05	< 0.1	0.27	< 0.001	< 0.001	< 0.005	< 0.01	< 0.05	0.04	0.02	< 0.02	0.186	0.2	0.066
BC2	23-Mar-99	1.2	7.2	160	130	< 2	25		69	30	43	< 1	0.26	< 0.05	< 0.1	0.49	0.002	< 0.001	0.009	< 0.01	0.19	< 0.01	0.017	< 0.02	1.3	0.24	0.39
BC2	14-Oct-99	0.7	7.3	240	150	< 2	36		62	46	56	< 1	0.21	0.15	< 0.1	0.38	0.002	< 0.001	< 0.005	< 0.01	0.07	< 0.01	0.001	< 0.02	1.88	0.4	0.376
BC2	27-Apr-00	9.1	6.4	90	100	< 2	21		34	25	20	< 1	0.23	< 0.05	< 0.1	0.17	< 0.001	< 0.001	< 0.005	< 0.01	0.05	< 0.01	0.006	< 0.02	0.63	0.1	0.2
BC2	27-Sep-00	1.3	7.4	100	130	< 2	34		81	41	47	< 1	0.52	< 0.05	< 0.1	0.29	< 0.001	< 0.001	< 0.005	< 0.01	< 0.05	< 0.01	0.009	< 0.02	0.2	0.3	0.06
BC2	30-Apr-01	2.97	7.1	100	90	< 2	18	< 1	36	22	21	< 1	< 0.05	0.2	< 0.1	0.3	< 0.001	< 0.001	< 0.005	< 0.01	0.06	< 0.01	0.013	< 0.02	0.39	< 1	0.155
BC2	26-Sep-01	0.6	7.3	190	120	< 2	36		88	44	54	< 1	0.08	< 0.05	< 0.1	1.22	< 0.001	< 0.001	< 0.005	< 0.01	< 0.05	< 0.01	< 0.01	0.04	0.16	0.3	0.057
BC2	05-Apr-02	3.4	6.9	90	60	< 2	16		41	20	16	< 1	0.33	0.06	< 0.1	0.22	< 0.001	< 0.001	< 0.005	< 0.01	< 0.05	< 0.01	< 0.01	0.02	0.07	0.1	0.062



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Site: EOMW1

Mean			6.7	263		180	972	25	1	125	30		97	0	0.28	0.14	0.000	0.922	0.003	0.000	0.03	0.00	0.31	0.00	0.02	0.98	0.33	0.40	0.81
Std dev			0.6	96		64	2145	5	2	34	7		32	0	0.18	0.20	0.000	0.544	0.005	0.000	0.10	0.01	1.12	0.00	0.07	4.29	0.95	0.19	1.24
Station	Sample date	Qmgd	Field pH	lab cond	TDS(180)	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
EOMW1	01-May-86		6.57	175	115	1280																							
EOMW1	01-Jun-86		7.2			505																							
EOMW1	01-Jul-86			190	72																								
EOMW1	01-Aug-86		7.17		105	58																							
EOMW1	01-Oct-86		7.05		178	1508																							
EOMW1	18-Sep-87		6.63	276	210	2760	27	nd	131	33.0		100.0	0.0	0.37	0.06		0.37	nd	nd	nd	nd	nd	nd	nd	nd	0.08	0.02		0.2
EOMW1	28-Oct-88		7.37	291	208	552	32	nd	141	39.0		110.0	0.0	0.2	0.22		0.39	0.017	nd	0.5	nd	5.6	nd	0.37	21.9	4.39		2.16	
EOMW1	23-Apr-89		6.91	261	128	812	23	nd	107	27.0		85.0	0.0	0.35	0.38		nd	0.6	0.006	nd	nd	nd	nd	nd	nd	0.08		0.18	
EOMW1	31-Oct-89		7.11	388	322	#####	31	0	164	37.4		134.8	0.0	0.17	<0.01	<0.005	0.69	0.005	nd	nd	nd	nd	nd	nd	nd	0.02		0.02	
EOMW1	07-May-90		7.38	342	224	195	11	6	157	12.8		137.0	0.0	0.43	0.1	<0.005	1.29	0.0024	nd	nd	nd	nd	nd	nd	nd	0.08		0.56	
EOMW1	29-Oct-90		7.49	265	178		31	0	141	37.8		93.4	0.0	0.95	0.07	<0.005	3.08	0.0011	NA	0.015	<0.01	<0.1	<0.02	<0.01	0.06	0.02	0.43	0.2	
EOMW1	25-Apr-91		7.97	288	188	46	28		129	34.2		104.0	0.0	0.22	<0.02	<0.01	1.47	<0.002	<0.001	<0.02	<0.01	<0.1	<0.02	<0.01	<0.05	0.02	0.43	0.36	
EOMW1	30-Sep-91		7.08	274	220	768	32	0	128	38.4		97.8	0.0	<0.04	0.02	<0.01	0.65	<0.002	<0.001	<0.02	<0.01	<0.1	<0.02	<0.01	<0.05	<0.02	0.45	0.21	
EOMW1	08-May-92		7.0	183	104	536	25	<1	79	29.9		51.4	0	0.13	<0.01	<0.01	0.81	<0.002	<0.001	<0.02	<0.01	<0.1	<0.02	<0.01	<0.05	<0.02	0.26	0.18	
EOMW1	08-Oct-92	DRY																											
EOMW1	18-May-93		6.3	197	118	528	12		86	15		74	0	0.35	0.73	<0.01	1.58	0.02	<0.001	0.17	<0.001	1.4	<0.02	0.05	2.03	2.36	0.52	5.96	
EOMW1	13-Oct-93		6.9	263	170	441	26		128	32		105	0	0.08	0.3	<0.01	0.65	0.002	<0.001	<0.005	0.001	<0.1	<0.02	<0.001	<0.05	0.04	0.9	0.55	
EOMW1	03-May-94		6.9	271	210	110	23		133	28		108	0	0.36	0.1	<0.02	0.77	<0.002	<0.001	0.06	<0.001	0.1	<0.02	0.004	0.13	0.02	0.1	0.73	
EOMW1	13-Oct-94		6.8	233	152	876	24		97	29		78	0	0.28	0.12	<0.05	0.63	<0.002	<0.001	0.005	<0.001	0.5	<0.02	0.009	<0.05	<0.02	0.5	0.15	
EOMW1	16-May-95		6.9	313	222	316	20		149	24		126	0	0.22	0.64	<0.01	0.89	0.003	<0.001	<0.005	<0.001	<0.1	<0.02	0.004	<0.05	0.07	0.5	1.13	
EOMW1	02-Nov-95		7.1	304	204	1450	26		143	33.7		107	0	0.21	0.24	<0.01	0.56	<0.002	<0.001	0.01	0.03	<0.1	<0.02	<0.001	0.16	0.03	0.46	0.33	
EOMW1	01-Jul-96		6.0	136	116	199	20		68	24.4		44.6	<1	0.17	0.11	<0.01	0.71	<0.001	<0.001	<0.005	<0.001	<0.05	<0.01	0.003	<0.025	<0.01	0.2	0.17	
EOMW1	22-Oct-96	DRY																											
EOMW1	07-May-97		6.5	253	180	400	23		123	27.5		93.2	<1	0.42	<0.05	<0.01	0.71	0.001	<0.001	0.008	<0.01	0.06	<0.01	0.003	0.07	0.02	0.43	0.48	
EOMW1	10-Oct-97		6.5	210	180	1130	26		100	32		67	<1	0.36	0.07	<0.01	0.9	0.001	<0.001	<0.005	<0.01	<0.05	<0.01	<0.01	<0.02	0.06	0.3	<0.02	
EOMW1	30-Apr-98		5.7	630	370	97	21		239	26		200	<1	0.41	<0.05	<0.01	0.98	0.009	<0.001	<0.005	<0.01	<0.05	<0.01	<0.01	<0.02	0.7	0.7	2.9	
EOMW1	06-Oct-98	DRY																											
EOMW1	21-Apr-99	DRY																											
EOMW1	22-Sep-99		6.1	240	130	216	29		102	35		70	<1	0.14	<0.05	<0.01		<0.001	<0.001	<0.005	<0.01	<0.05	<0.01	0.032	<0.02	0.05	0.4	0.296	
EOMW1	10-May-00		6.0	180	90	40	17		70	20		49	<1	0.22	0.3	<0.01	1.29	0.003	<0.001	<0.005	<0.01	0.06	<0.01	0.01	0.02	0.09	0.2	1.37	
EOMW1	29-Sep-00		6.5	100	250	352	26		127	32		103	<1	0.22	<0.05	<0.01	0.63	0.001	<0.001	<0.005	<0.01	<0.05	0.001	0.006	0.02	0.03	0.4	0.51	
EOMW1	10-May-01		5.5	260	180	46	24		116	29		85	<1	0.31	<0.05	<0.01	0.7	0.002	<0.001	<0.005	<0.01	<0.05	<0.01	<0.01	<0.02	0.04	0.4	0.39	
EOMW1	26-Sep-01		6.6	310	210	170	30		142	37		115	<1	0.16	<0.05	<0.01	0.95	0.001	<0.001	<0.005	<0.01	<0.05	<0.01	<0.01	<0.02	0.03	0.5	0.453	
EOMW1	10-Apr-02		6.2	280	200	139	26		120	32		96	<1	0.38	<0.05	<0.01	0.81	0.004	<0.001	0.01	<0.01	<0.05	<0.01	0.01	<0.02	0.15	<0.01	0.835	

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
UR Report

Site:

EOMW2

Mean	6.8	245	167	906	25	0	120	30	91	0	0.30	0.12	0.001	0.902	0.002	0.000	0.12	0.00	0.63	0.00	0.04	1.73	0.65	0.46	0.75		
Std dev	0.6	82	65	1117	8	0	36	9	30	0	0.21	0.13	0.004	0.714	0.003	0.000	0.38	0.00	2.05	0.00	0.12	6.22	1.65	0.30	0.88		
Station	Sampledate	Qmgd	FieldpH	labcond	mg/l TDS(180)	mg/l TSS	mg/l Alk	mg/l Ac	mg/l Hard	mg/l Bicarb	mg/l Sulfate	mg/l CO3	mg/l NO3&NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl	mg/l dCd	mg/l dHg	mg/l dPb	mg/l dAg	mg/l dAl	mg/l dCrT	mg/l dCu	mg/l dFe	mg/l dMn	mg/l dSr	mg/l dZn
EOMW2	01-May-86		6.68	181	119	2102																					
EOMW2	01-Jun-86		7.47			161																					
EOMW2	01-Jul-86			109	72																						
EOMW2	01-Aug-86		7.16		107	447																					
EOMW2	01-Oct-86		7.11		173	1218																					
EOMW2	18-Sep-87		6.84	260	190	800	28	nd	122	34.0	90.0	0.0	0.33	0.02		0.39	0.002	nd	nd	nd	nd	nd	0.05	nd		0.23	
EOMW2	28-Oct-88		7.7	287	192	1062	30	nd	135	37.0	110.0	0.0	0.2	0.52	nd	0.43	0.015	nd	1.43	nd	10.2	nd	0.58	31.4	9.47	3.99	
EOMW2	23-Apr-89		6.67	256	146	252	22	nd	110	26.0	84.0	0.0	0.28	0.17	nd	0.6	0.003	nd	nd	nd	nd	nd	0.05	0.02		0.27	
EOMW2	31-Oct-89		7.21	397	316	5520	43	0	168	51.9	123.5	0.0	0.69	0.377	0.022	2.39	0.004	nd	nd	nd	0.1	nd	nd	nd	nd		
EOMW2	07-May-90		7.14	393	280	504	21	0	181	25.6	161.7	0.0	0.76	0.15	<.005	1.37	0.0063	nd	0.004	nd	nd	0.01	nd	0.24		1.16	
EOMW2	29-Oct-90		7.53	268	184	34	0	137	41.5		94.8	0.0	0.95	0.06	<.005	3.74	0.0021	NA	0.015	<.01	<.1	<.02	<.01	<.05	2.24	0.37	0.22
EOMW2	25-Apr-91		7.55	303	164	200	20		134	24.4	115.0	0.0	0.35	0.24	<.01	1.56	0.003	<.001	<.02	<.01	<.1	<.02	0.01	<.05	0.2	0.37	1.93
EOMW2	30-Sep-91		7.01	275	178	2380	19	0	133	22.6	112.0	0.0	0.045	0.07	<.01	1.13	0.002	<.001	<.02	<.01	<.1	<.02	<.01	<.05	0.12	0.42	0.4
EOMW2	08-May-92		6.7	189	53	1390	23	<.1	86	27.5	62.8	0	0.19	<.02	<.01	0.88	<.002	<.001	<.02	<.01	<.1	<.02	<.01	<.05	<.02	0.26	0.36
EOMW2	08-Oct-92		6.4	314	268	3140	34	<.1	146	41.5	116	<.1	0.09	<.01	<.01	0.55	0.004	<.001	1.48	0.01	4.1	<.02	0.33	11.4	2.68	1.57	1.86
EOMW2	18-May-93		6.5	244	158	620	17		106	21	84	0	0.32	0.2	<.01	1.13	0.006	<.001	0.33	<.001	1.6	<.02	0.08	3.28	1.01	0.76	2.46
EOMW2	13-Oct-93		7.0	290	214	164	29		132	35	105	0	0.08	0.29	<.01	0.59	<.002	<.001	<.005	<.001	<.1	<.02	<.001	<.05	<.02	1.00	0.47
EOMW2	03-May-94		7.0	267	198	181	23		181	28	107	0	0.45	0.13	<.02	0.82	0.003	<.001	0.005	<.001	0.1	<.02	0.007	<.05	0.07	0.1	1.32
EOMW2	13-Oct-94		7.0	228	158	618	26		110	32	76	0	0.25	0.13	<.05	0.4	<.002	<.001	0.008	<.001	0.4	<.02	0.004	<.05	<.02	0.4	0.3
EOMW2	16-May-95		6.8	296	188	220	22		141	27	117	0	0.25	0.21	<.01	0.71	<.002	<.001	<.005	<.001	<.1	<.02	0.003	<.05	0.02	0.5	0.7
EOMW2	02-Nov-95		7.2	300	192	1090	26		142	34.2	108	0	0.21	0.19	<.01	0.47	0.002	<.001	<.005	0.02	<.1	<.02	<.001	<.05	<.02	0.46	0.45
EOMW2	01-Jul-96		6.0	153	84	212	20		63	24.6	43.7	<.1	0.15	0.23	<.01	0.71	0.001	<.001	0.011	<.001	<.05	<.01	0.004	<.025	0.01	0.19	0.14
EOMW2	22-Oct-96		6.0	234	160	862	28		110	34.2	62.1	<.1	0.32	0.25	<.01	0.511	<.001	<.001	0.053	<.001	0.3	<.01	0.017	0.45	0.17	0.4	0.3
EOMW2	07-May-97		6.7	268	178	1130	27		129	32.3	97.9	<.1	0.37	<.05	<.01	0.57	<.001	<.001	<.005	<.01	<.05	<.01	<.001	<.02	<.005	0.43	0.4
EOMW2	10-Oct-97		6.5	210	170	970	28		108	34	85	<.1	0.34	<.05	<.01	0.93	<.001	<.001	<.005	<.01	<.05	<.01	<.01	<.02	0.014	0.3	<.02
EOMW2	30-Apr-98		5.5	300	170	210	18		102	20	85	<.1	0.33	<.05	<.01	0.67	0.002	<.001	<.005	<.01	0.05	<.01	<.01	<.02	0.06	0.3	1.0
EOMW2	06-Oct-98		6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06	<.01	ND	<.001	<.001	<.005	<.01	0.09	<.01	<.01	<.02	0.023	0.4	0.277
EOMW2	21-Apr-99	DRY																									
EOMW2	22-Sep-99		6.3	230	120	273	26	ND	101	31	70	<.1	0.14	<.05	<.01	0.52	<.001	<.001	<.005	<.01	<.05	<.01	0.014	<.02	0.03	0.4	0.296
EOMW2	10-May-00		6.4	190	100	87	24		79	29	49	<.1	0.21	<.01	<.01	0.94	<.001	<.001	<.005	<.01	<.05	<.01	0.004	<.02	0.03	0.2	0.41
EOMW2	29-Sep-00		6.6	100	270	814	26		128	32	103	<.1	0.28	<.05	<.01	0.55	<.001	<.001	<.005	<.01	<.05	<.01	0.009	0.1	0.01	0.4	0.25
EOMW2	10-May-01		5.3	260	180	254	22		118	27	82	<.1	0.35	<.05	<.01	0.8	0.002	<.001	<.005	<.01	<.05	<.01	<.01	<.02	0.06	0.4	0.72
EOMW2	26-Sep-01		6.5	310	200	487	36		140	44	114	<.1	0.14	0.05	<.01	0.96	<.001	<.001	<.005	<.01	<.05	<.01	<.01	<.02	1.17	0.5	0.189
EOMW2	10-Apr-02	DRY																									

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
LR Report

Site:

SCTP31

Mean			7.6	238		157	9	52	0	112	63	61	0	0.08	1.69	0.000	0.572	0.000	0.000	0.00	0.00	0.06	0.00	0.00	0.06	0.02	0.47	0.01
Std dev			0.4	49		39	22	14	0	20	18	20	1	0.22	8.53	0.000	0.320	0.001	0.000	0.01	0.00	0.34	0.01	0.01	0.28	0.04	0.25	0.03
Station	Sampledate	Qmgd	FieldpH	labcond		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
SCTP31	05-Sep-87		8.15	245		170	4.8	64	nd	111	77	50	0	nd	0.02	0.35	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.01
SCTP31	03-May-88	0.001	7.75	250		166	17	41	nd	110	50	70	0	nd	0.04	nd	0.42	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.04
SCTP31	28-Oct-88	0.000																										
SCTP31	26-Apr-89	0.007	7.44	251		20	8	31	nd	113	36	85	0	nd	nd	nd	0.71	nd	nd	0.02	nd	0.2	nd	0.01	0.1	nd		0.13
SCTP31	31-Oct-89	0.000																										
SCTP31	07-May-90	0.014	7.02	261		168	2	29.6	0	116.5	36.1	89.1	0	<.04	0.06	<.005	0.72	nd	nd	nd	nd	nd	nd	nd	nd	nd		0.02
SCTP31	25-Oct-90	0.004	8.19	394		250	3	34.2	0	181	32.9	144	4.2	<.04	0.21	<.0002	2.11	<.0002	NA	0.038	<.01	<.1	<.02	<.02	0.05	<.02	0.67	0.03
SCTP31	10-Jan-91	0.369	8.08	269		180	21	69.9	0	129	85.4	67.5	0	<.03	<.01	ND	0.53	<.002	<.001	<.02	<.01	<.1	<.02	<.01	<.05	<.02	0.5	<.01
SCTP31	30-Apr-91	0.072	6.75	220		146	6	41.6		97.2	50.6	58.8	0	<.04	<.04	<.01	0.8	<.0005	<.001	<.005	<.01	<.1	<.02	<.01	<.05	<.02	0.37	0.01
SCTP31	11-May-92	0.024	7.8	221		166	22	49	ND	122	59.8	69.4	0	<.04	ND	<.01	0.53	<.002	<.001	<.02	<.01	<.1	<.02	<.01	<.05	0.02	0.42	0.03
SCTP31	08-Oct-92	0.010	6.8	265		236	120	57		132	68.9	80.7	<.1	<.04	<.01	<.01	0.44	0.01	<.001	0.05	<.01	1.84	<.02	0.005	1.56	0.23	1.46	0.05
SCTP31	18-May-93	0.090	7.7	183		114	8	41		81	50	48	0	<.01	0.14	<.01	0.52	<.002	<.001	<.005	<.001	<.1	<.02	0.002	<.05	<.02	0.6	<.01
SCTP31	21-Oct-93	0.046	8.0	245		160	<.1	57		115	69	62	0	<.01	0.09	<.01	0.46	<.002	<.001	<.005	<.001	<.1	<.02	<.001	<.05	<.02	0.9	<.01
SCTP31	03-May-94	0.340	7.3	207		160	10	47		99	58	56	0	0.2	0.13	<.02	0.45	<.002	<.001	<.005	<.001	<.1	<.02	0.001	<.02	<.02	0.2	0.01
SCTP31	13-Oct-94	0.040	7.8	231		160	8	50		105	61	53	0	0.13		<.05	0.36	<.002	<.001	<.005	<.001	0.3	<.02	0.001	<.05	0.07	0.46	0.02
SCTP31	16-May-95	0.340	7.5	184		132	2	46		88	56	43	0	<.01	46	<.01	0.51	<.002	<.001	<.005	<.001	<.1	<.02	<.002	<.05	<.02	0.3	<.01
SCTP31A	16-May-95	0.220	7.5	184		116	3	24		72	29	51	0	0.01	0.16	<.01	0.55	<.002	<.001	<.005	<.001	<.1	<.02	<.002	<.05	0.02	0.1	<.01
SCTP31	26-Oct-95	0.007	7.9	252		141	6	58		110	70.3	59.6	0	0.08	<.05	<.01	0.55	<.002	<.001	<.005	<.001	<.1	<.02	0.002	<.05	<.02	0.4	0.01
SCTP31	26-Apr-96	0.094	7.5	213		152	4	48		103	58.6	54.1	<.1	1.21	<.05	<.01	0.5	<.001	<.001	<.005	<.001	<.05	<.01	<.001	<.025	<.02	0.39	<.05
SCTP31	22-Oct-96	0.029	7.1	245		156	5	56		120	68.3	61.5	<.1	0.08	0.13	<.01	0.18	<.001	<.001	<.005	<.001	<.05	<.01	<.001	<.025	<.01	0.46	<.05
SCTP31	07-May-97	0.09	6.7	201		134	7	51		100	61.6	48.1	<.1	0.1	<.05	<.01	0.52	<.001	<.001	<.005	<.01	<.05	<.01	0.001	<.02	<.005	0.39	<.02
SCTP31	10-Oct-97	0.11	7.6	230		170	5	97		131	118	51	<.1	<.05	<.05	<.01	0.65	<.001	<.001	<.005	<.01	<.05	<.01	<.01	<.02	0.015	0.4	<.02
SCTP31	29-Apr-98	0.12	7.9	270		150	7	52		100	63	42	<.1	<.05	<.05	<.01	0.48	<.001	<.001	<.005	<.01	0.06	<.01	<.01	<.02	<.005	0.3	<.025
SCTP31	14-Oct-98	0.01	8.0	250		180	<.2	66		125		57		<.05	0.07	<.01	0.53	<.001	<.001	<.005	0.02	<.05	0.04	0.04	<.02	0.075	0.4	0.03
SCTP31	21-Apr-99	0.024	8.0	240		150	4	57		110	70	52	<.1	<.05	<.05	<.01	0.48	<.001	<.001	<.005	<.01	<.05	<.01	0.001	<.02	<.01	0.4	<.025
SCTP31	14-Oct-99	0.1	7.9	280		150	<.2	65		113	79	50	<.1	0.09	0.14	<.01	0.45	<.001	<.001	<.005	<.01	<.05	<.01	<.001	<.02	<.01	0.5	<.025
SCTP31	04-May-00	0.04	7.7	220		170	6	53		97	64	43	<.1	0.07	<.05	<.01	0.48	<.001	<.001	<.005	<.01	<.05	<.01	<.001	<.02	<.01	0.4	<.025
SCTP31	27-Sep-00	0.006	7.2	100		190	<.2	66		123	80	59	<.1	0.28	<.05	<.01	0.49	<.001	<.001	<.005	<.01	<.05	<.01	0.002	<.02	<.01	0.4	<.025
SCTP31	11-May-01	0.15	6.7	200		130	<.2	50		95	61	39	<.1	<.05	<.05	<.01	0.4	<.001	<.001	<.005	<.01	<.05	<.01	<.01	<.02	<.01	0.4	<.025
SCTP31	27-Sep-01	0.03	8.0	270		180	<.2	68		126	83	60	<.1	<.05	0.05	<.01	0.65	<.001	<.001	<.005	<.01	<.05	<.01	<.01	<.02	<.01	0.5	<.025
SCTP31	09-Apr-02	0.01	7.2	245		170	<.2	50		121	61	64	<.1	0.09	<.05	<.01	0.59	<.001	<.001	<.005	<.01	<.05	<.01	<.01	<.02	<.01	0.4	<.025

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
MLR Report

Site: SCTP32

Mean			7.4	232		163	20	39	0	105	47		67	0	0.05	0.06	0.001	0.849	0.001	0.000	0.01	0.00	0.05	0.00	0.00	0.03	0.29	0.36	0.13
Std dev			0.4	32		29	40	15	0	17	19		18	0	0.07	0.11	0.004	0.371	0.002	0.000	0.04	0.00	0.06	0.00	0.01	0.05	0.70	0.19	0.36
Station	Sampledate	Qmgd	FieldpH	labconc	TDS(180)	mg/l TSS	mg/l Alk	mg/l Ac	mg/l Hard	mg/l Bicarb		mg/l Sulfate	mg/l CO3	mg/l NO3&NO2	mg/l NH3-N	mg/l Cyanide	mg/l FI	mg/l dCd	mg/l dHg	mg/l dPb	mg/l dAg	mg/l dAl	mg/l dCrT	mg/l dCu	mg/l dFe	mg/l dMn	mg/l dSr	mg/l dZn	
SCTP32	18-Sep-87		7.69	236	170	21.2	55	nd	114	66		60	0	0.24	0.03		0.31	0.002	nd	nd	nd	0.3	nd	nd	0.06	0.02	nd	nd	
SCTP32	28-Oct-88	0.000																											
SCTP32	26-Apr-89	0.001	7.34	206	128	171	16	nd	82	19		67	0	0.06	0.15	nd	0.16	0.006	nd	0.02	nd	0.2	nd	0.01	nd	0.54		0.36	
SCTP32	31-Oct-89	0.000																											
SCTP32	07-May-90	0.007	7.47	261	170	44	27.7	0	113.5	33.8		92.2	0	<.04	<.02	<.005	0.76	0.0006	nd	nd	nd	nd	nd	nd	nd	0.16		0.1	
SCTP32	25-Oct-90	0.000																											
SCTP32	10-Jan-91	0.440	7.82	273	190	20	59.2	0	126	72		76	0	<.04	<.01	ND	0.65	<.002	<.001	<.02	<.01	<.1	<.02	<.01	<.05	0.36	0.47	0.06	
SCTP32	30-Apr-91	0.000																											
SCTP32	11-May-92	0.02	7.72	212	168	8	41	ND	115	49.4		77.4	0.0	<.04	ND	<.01	0.70	<.002	<.001	<.02	<.01	<.1	<.02	<.01	<.05	0.02	0.42	0.03	
SCTP32	06-Oct-92	0.001	6.4	295	230	108	7	<.1	130	8.54		127	<.01	<.04	<.01	<.01	0.58	0.01	<.001	0.03	<.01	0.20	<.02	0.01	0.24	3.45	0.75	1.78	
SCTP32	16-May-93	0.4	7.6	176	114	5	27		75	33		49	0	0.03	0.1	<.01	0.54	<.002	<.001	<.005	<.001	<.1	<.02	0.003	0.06	0.05	<.5	0.02	
SCTP32	21-Oct-93	0.015	8.1	247	158	9	54		116	65		65	0	0.05	<.01	<.01	0.55	<.002	<.001	<.005	<.001	0.1	<.02	<.001	<.05	<.02	0.8	<.01	
SCTP32	03-May-94	0.24	7.1	253	204	41	27		123	33		97	0	0.24	0.13	<.02	0.64	<.002	<.001	<.005	<.001	0.1	<.02	0.005	<.05	0.76	0.1	0.19	
SCTP32	13-Oct-94	0.05	7.6	232	160	3	41		100	50		60	0	0.13		<.05	0.37	<.002	<.001	0.21	<.001	0.1	<.02	0.004	<.05	0.06	0.5	0.04	
SCTP32	16-May-95	0.7	7.7	195	142	5	31		89	37		62	0	<.01	0.46	<.01	0.65	<.002	<.001	<.005	<.001	<.1	<.02	0.005	0.05	0.47	0.3	0.1	
SCTP32	26-Oct-95	0.0053	7.6	241	138	<2	43		102	52.2		67	0	0.1	<.05	<.01	0.65	<.002	<.001	<.005	<.001	<.1	<.02	0.005	0.06	<.02	0.3	0.02	
SCTP32	26-Apr-96	0.134	7.6	200	152	10	26		93	34.2		70.2	<.1	0.1	0.06	0.02	0.6	<.001	<.001	<.005	<.001	0.06	<.01	<.001	<.025	<.02	0.28	<.05	
SCTP32	22-Oct-96	0.1	6.9	206	120	2	48		96	56.6		53.1	<.1	0.06	0.12	<.01	0.44	<.001	<.001	<.005	<.001	<.05	<.01	0.003	<.025	<.01	0.37	<.05	
SCTP32	07-May-97	0.46	7.2	195	136	6	32		91	39		56.6	<.1	0.1	<.05	<.01	0.59	<.001	<.001	<.005	<.01	<.05	<.01	0.002	<.02	0.05	0.27	0.03	
SCTP32	10-Oct-97	0.12	7.4	240	180	<2	63		129	78		60	<.1	<.05	<.05	<.01	0.64	<.001	<.001	<.005	<.01	<.05	<.01	<.01	<.02	0.014	0.4	<.02	
SCTP32	29-Apr-98	0.21	7.6	270	180	12	36		94	43		58	<.1	<.05	<.05	<.01	0.61	<.001	<.001	<.005	<.01	<.06	<.01	<.01	<.02	0.28	0.3	0.077	
SCTP32	14-Oct-98	0.008	7.8	240	200	<2	56		120			59		<.05	0.13	<.01	2.23	<.001	<.001	<.005	<.01	0.06	<.01	0.04	<.02	0.16	0.3	0.065	
SCTP32	21-Apr-99	0.035	7.2	230	150	2	36		103	46		60	<.1	<.05	<.05	<.01	0.67	<.001	<.001	<.005	<.01	<.05	<.01	0.002	<.02	0.03	0.3	<.025	
SCTP32	14-Oct-99	0.1	7.9	260	200	<2	62		109	76		52	<.1	0.06	0.12	<.01	0.52	<.001	<.001	<.005	<.01	<.05	<.01	<.001	<.02	0.02	0.5	<.05	
SCTP32	04-May-00	0.035	7.2	190	160	<2	27		79	32		51	<.1	<.05	<.05	<.01	0.6	<.001	<.001	<.005	<.01	<.05	<.01	0.002	0.06	0.06	0.2	0.04	
SCTP32	27-Sep-00	DRY																											
SCTP32	11-May-01	0.13	6.5	190	130	3	24		81	29		51	<.1	<.05	<.05	<.01	0.5	<.001	<.001	<.005	<.01	<.05	<.01	<.01	0.03	0.01	0.2	<.025	
SCTP32	27-Sep-01	0.01	7.2	260	170	<2	60		122	73		63	<.1	>.05	0.07	<.01	0.95	<.001	<.001	<.005	<.01	<.05	<.01	<.01	<.02	<.01	0.4	<.025	

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
LR Report

Site: ATS1

Mean			5.1	512		412	21	2	47	252	2		225	0	0.48	0.07	0.000	1.731	0.065	0.003	0.19	0.00	5.25	0.00	0.32	7.13	17.92	0.81	13.78
Std dev			0.5	184		169	27	3	69	132	4		109	0	0.92	0.06	0.000	1.638	0.124	0.008	0.37	0.01	11.15	0.00	0.66	21.44	33.55	0.49	25.59
	Station	Sampledate	Qmgd	FieldpH	labcond	TDS(180)	mg/l TSS	mg/l Alk	mg/l Ac	mg/l Hard	mg/l Bicarb		mg/l Sulfate	mg/l CO3	mg/l NO3&NO2	mg/l NH3-N	mg/l Cyanide	mg/l Fl	mg/l dCd	mg/l dHg	mg/l dPb	mg/l dAg	mg/l dAl	mg/l dCrT	mg/l dCu	mg/l dFe	mg/l dMn	mg/l dSr	mg/l dZn
	ATS1	01-Sep-88	0.001	5.78		303							19						0.002	0.031	0.03				0.02	0.40	4.50		1.89
	ATS1	28-Oct-88	0.000																										
	ATS1	11-May-89	0.007	4.78	875	820	31	0	236	587	0		403	0	1.91	0.17	nd	8.58	0.341	nd	0.69	0.02	5.90	<.02	1.07	0.09	65.70		51.20
	ATS1	22-Jun-89	0.000																										
	ATS1	05-Oct-89	0.007	5.20	647	482	6	0	24	312	0		317	0	2.64	<.01	<.005	1.66	0.034	nd	0.09	nd	1.60	nd	0.11	0.12	4.44		4.81
	ATS1	13-Jun-90	0.003	4.73	449	410	95	0	28	209	0		229	0	<.04	0.13	<.005	1.27	0.002	<.0002	0.03	<.01	0.90	<.02	0.03	0.32	1.24		1.81
	ATS1	10-Jul-90	0.001	5.05	704	564		0	60	311	0		344	0	0.09		<.005	1.73	0.014	<.0002	0.01	<.01	1.40	<.02	0.06	0.75	9.95		4.98
	ATS1	07-Aug-90	0.000																										
	ATS1	11-Sep-90	0.000																										
	ATS1	23-Oct-90	0.000																										
	ATS1	31-May-91	0.029	4.92	399	310	23	9	28	173	12		189	0	<.08	0.11	ND	1.11	0.003	<.0002	<.005	<.01	0.80	<.02	0.01	0.11	0.48	0.50	1.10
	ATS1	13-Jun-91	0.014	4.78	409	320	24	5	12	177	5		184	0	<.02	0.14	ND	0.92	0.003	<.0002	0.01	<.01	0.80	<.02	<.01	0.27	0.49	0.52	1.16
	ATS1	24-Sep-91	0.000	4.78	657	546	11	0	19	328	0		341	0	<.04	0.08	ND	1.32	0.002	<.001	<.02	<.01	1.10	<.02	0.03	1.38	1.78	0.99	1.83
	ATS1	09-Jun-92	0.001	4.70	354	288	<1	<.1	12	160	0		170	0	<.04	<.01	ND	1.02	0.314	<.001	1.19	<.01	38.40	<.02	2.19	74.90	107.00	1.82	81.30
	ATS1	08-Jun-93	0.005	4.89	322	240	12	1	<1	137	1.3		143	0	0.11	<.01		0.97	<.002	<.001	<.005	<.001	1	<.02	0.03	0.05	0.74	0.8	0.93
	ATS1	23-Aug-93		6.02																									
	ATS1	09-Sep-93	DRY																										
	ATS1	01-Jun-94	0.001	5.7	303	249	<1	1		131	0.7		138	0		0.06		0.73	<.002	<.001	<.005	<.001	0.6	<.02	0.01	<.05	0.8	0.4	0.62
	ATS1	28-Oct-94	no flow																										
	ATS1	10-Apr-02	DRY																										

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
LR Report Site: ATS2

Mean			3.3	3702	5584	87	0	983	1888	0	2560	0	15.71	2.22	0.009	6.112	0.714	0.000	0.51	0.00	#####	0.01	4.31	243.22	285.89	3.18	278.02
Std dev			0.7	3845	9277	78	0	1539	1820	0	3708	0	29.66	2.37	0.014	5.915	1.448	0.001	0.64	0.01	#####	0.04	15.52	884.91	380.91	1.49	488.07
Station	Sampledate	Qmgd	FieldpH	labcond	TDS(180)	TSS	Alk	Ac	Hard	Bicarb	Sulfate	CO3	NO3&NO2	NH3-N	Cyanide	Fl	mg/l dCd	mg/l dHg	mg/l dPb	mg/l dAg	mg/l dAl	mg/l dCrT	mg/l dCu	mg/l dFe	mg/l dMn	mg/l dSr	mg/l dZn
ATS2	01-Sep-88	0.001	5.24		1048	285					107		0.28				0.098	0.002	0.01				0.09	14.39	9.13		38.80
ATS2	28-Oct-88	0.000																									
ATS2	11-May-89	0.022	4.13	2420	2640	18	0	327	1749	0	1558	0	48.39	8.93	0.010	15.80	nd	nd	1.25	0.04	18.70	<0.02	0.98	4.08	212.00		104.00
ATS2	22-Jun-89	0.001	3.80	2730	2878	118		655	1927		829		89.15	<.1	0.036	7.97	0.008	<0.001	0.13	0.03	17.10	<0.02	0.70	6.28	224.00		97.88
ATS2	05-Oct-89	0.003	3.44	4338	4396	56	0	728	2253	0	2555	0	132.20	1.33	0.034	0.89	2.054	nd	0.70	0.04	25.20	0.02	1.38	26.95	467.90		102.84
ATS2	13-Jun-90	0.014	4.16	2432	2834	92	0	332	1430	0	1594	0	28.86	2.63	0.005	10.51	0.144	<0.002	1.94	<0.01	18.10	<0.02	0.91	3.58	192.00		93.10
ATS2	10-Jul-90	0.007	3.79	2412	2540		0	407	1516	0	1530	0	17.77		<0.005	8.88	0.464	<0.002	2.33	<0.01	14.00	<0.02	0.92	2.34	225.00		93.80
ATS2C	07-Aug-90	0.007	3.50										14.30	3.08			0.125	<0.002	1.85	<0.01	17.50	<0.02	0.72	1.58	241.00		94.20
ATS2N	07-Aug-90	0.000																									
ATS2S	07-Aug-90	0.001	3.25										0.44	2.57			0.045	<0.002	1.18	<0.01	8.80	<0.02	0.44	7.02	182.00		45.40
ATS2	11-Sep-90	0.001	3.68	1035	2720		0	178	1640	0	1810	0	31.80	2.07		13.76	0.268	<0.002	<0.005	<0.01	18.40	<0.02	0.02	4.72	283.00		104.00
ATS2N	11-Sep-90	0.000																									
ATS2C	23-Oct-90	0.008	3.02	3530	3830		0	656	1840	0	2340	0	0.54	4.52		5.81	0.580	<0.002	1.28	<0.01	48.70	<0.02	1.81	15.30	332.00		149.00
ATS2N	23-Oct-90	0.000																									
ATS2S	23-Oct-90	0.004	3.08	1790	1520		0	293	912	0	1010	0	47.50	0.43		5.83	0.160	<0.002	0.91	<0.01	10.70	<0.02	0.95	20.40	124.00		55.60
ATS2	31-May-91	0.029	3.28	3090	3330	115	0	630	1540	0	2100	0	2.24	1.85	ND	18.42	0.497	<0.002	0.92	<0.01	42.80	<0.02	2.55	39.10	288.30	4.03	155.50
ATS2	13-Jun-91	0.036	3.18	3100	3000	88	ND	602	1440	0	1880	0	8.18	1.30	ND	18.27	0.006	<0.002	0.14	<0.01	42.30	<0.02	2.15	44.02	304.80	3.49	787.10
ATS2	24-Sep-91	0.014	3.25	3120	3500	38	0	722	1510	0	2050	0	6.54	8.71	ND	21.98	0.815	<0.001	0.78	<0.01	73.00	<0.02	4.25	62.25	396.50	4.90	228.10
AST2	09-Jun-92	0.0050	2.88	4850	7090	278	<.1	2620	1475	0	4320	0	9	<0.1	ND	1.82	1.41	<0.001	0.48	<0.01	143	<0.02	9.41	416	488.00	3.48	857.00
ATS2	08-Jun-93	0.0040	2.38	5370	8080	40	<.1	3500	3550	<.1	5060	0	5.53	4.57		1.72	1.48	<0.001	0.51	0.003	177	0.04	14.1	448	482	4.5	509
ATS2	23-Aug-93		2.80																								
ATS2	09-Sep-93	0.0003	2.24	7680	12600	36	<.1	6735	4970	<.1	8350	0	6.11	5.32		2.01	3.3	<0.001	0.26	0.01	341	0.09	3.2	764	872	6.8	840
ATS2C	09-Sep-93	0.0008	2.46	4840	6680	67	<.1	3347	4090	<.1	4280	0	2.84	2.88		1.78	1.87	<0.001	0.8	0.007	159	0.04	1.94	344	336	5	456
ATS2	03-Jun-94	0.001	2.4	16700	42900	68	1		6540	0.7	5150	0		7.73		0.67	2.02	<0.001	0.35	0.002	1180	0.23	0.8	3040	1430	0.4	1930
ATS2	28-Oct-94	no sample-Reclamation work interfering with sample site																									
ATS2	11-Jul-95	0.002	2.4	15800	31500	183	<.1		5640	<.1	19500	<.1	2.23	4.86		1.44	7.48	<0.001	0.17	0.002	878	<.4	89.2	2390	1630	4.37	1906
ATS2	05-Oct-95	0.002	5.2														0.032		<0.002		4.91	0.085	9.1	102		26.9	
ATS2	23-Jul-96	0.0003	3.9	1750	1780	12	<.1	197	993	<.1	1110	<.1	<0.05	<0.05		2.34	0.014	<0.001	0.005	<0.001	4.84	0.01	0.073	5.37	85.3	3.81	17.6
ATS2	17-Oct-96	0.008	3.2														0.033		0.01		18.9	0.181	17.8	84.8		26	
ATS2	03-Jun-97	0.006	3.5	1000	294	20		110	488		832		0.19	0.25		2.5	<0.001	<0.001	0.02	<0.02	6.22	<0.01	0.25	7.33	42.2	1.45	15.8
ATS2	22-Sep-97	0.026	2.6	1490	1340	21		201	657	<.1	797	<.1	0.38	0.29		2.88	0.07	0.001	0.05	<0.01	13.5	<0.01	<0.01	27.9	71.6	1.9	25.8
ATS2	01-Jun-98	0.002	2.5	1550	1110	15		133	521	<.1	878	<.1	0.84	0.24		1.4	0.009	<0.001	0.077	<0.01	5.9	<0.01	0.18	13	41.4	2.2	10.9
ATS2	16-Oct-98	0.001	3.2	1640	1570	8	<.1	148	828		1020		0.15	0.05		1.91	0.018	<0.001	0.019	<0.01	9.95	<0.01	0.17	4.08	52.8	3.1	13.1
ATS2	07-Jun-99	0.006	3.4	1300	1110	20	<.1	153	564	<.1	877	<.1	<0.05	0.17		3.88	0.005	<0.001	0.037	<0.01	3.82	<0.01	0.02	12.3	48.6	2.32	10.3
ATS2	16-Sep-99	0.009	3.1	1550	970	<2	<.1	182	517	<.1	751	<.1	<0.05	<0.05		3.48	0.009	<0.001	0.028	<0.01	5.3	<0.01	0.057	3.84	43.9	2.2	11.9
ATS2	24-May-00	0.003	2.9	1670	2330	11	<.1	138	610	<.1	899	<.1	0.08	2.5		3.4	0.02	<0.001	0.033	<0.01	8.85	<0.01	0.16	10.9	38.7	1.7	8.17
ATS2	11-Oct-00	0.005	3.6	1540	1280	12	<.1		608	<.1	1300	<.1	<0.05	<0.05		4.20	0.02	0.003	0.02	<0.01	13.10	<0.01	0.14	10.7	44.3	2.3	13.8
ATS2	29-May-01	0.003	2.5	1420	1150	11	<.1	132	588	<.1	803	<.1	<.1	<0.05		4.3	0.011	<0.001	0.016	<0.01	4.88	<0.01	0.1	6.83	35.8	2.5	8.0
ATS2	10-Sep-01	DRY																									

Sunnyside Gold Corporation-Sunnyside Mine/Mayflower Mill  
LR Report

Site: EC 1

Mean	7.0	203	134	12	19	1	86	23	86	0	0.46	0.07	0.359	0.004	0.000	0.03	0.00	0.30	0.00	0.02	0.20	0.97	0.28	0.72		
Std dev	0.5	94	43	33	6	3	23	7	24	0	1.43	0.12	0.586	0.006	0.001	0.10	0.01	1.81	0.00	0.05	1.01	1.72	0.17	0.44		
Station	Sample date	Qmgd	Field pH	lab concn	TDS (160)	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
						TSS	Alk	Ac	Hard	Bicarb	Sulfate	CO3	NO3&NO2	NH3-N	FI	dCd	dHg	dPb	dAg	dAl	dCrT	dCu	dFe	dMn	dSr	dZn
EC1	22-Oct-87	0.05	7.3	742	134	28	nd	71	25.0	50.0	0.0	0.080	0.06	0.18	nd	nd	nd	nd	nd	nd	nd	nd	0.2	0.24	0.24	
EC1	22-Jul-88	0.68	7.0	150	140	4	21	nd	100	26.0	70.0	0.0	0.380	0.29	0.49	nd	nd	0.03	nd	0.1	nd	0.01	0.24	0.89	0.51	
EC1	31-Aug-88	0.30	7.5	195	124	45	21	nd	98	25.0	70.0	0.0	0.150	0.06	0.07	nd	nd	0.29	nd	nd	nd	0.08	1.17	1.06	0.49	
EC1	26-Sep-88	0.53	7.0	203	136	146	21	nd	98	23.0	70.0	0.0	0.500	0.27	0.14	0.006	nd	0.75	nd	14.1	nd	0.16	7.72	3.47	0.99	
EC1	12-Oct-88	0.43	7.0	207	154	154	19	nd	93	23.0	48.6	0.0	0.200	0.508	0.239	0.004	0.001	<0.02	<0.01	nd	nd	0.01	nd	0.87	0.78	
EC1	25-May-89	notness	7.2	149	92	13	14	<1	82	16.5	51.2	<1	0.242	<0.01	0.372	<0.002	<0.001	<0.02	<0.01	nd	nd	0.01	nd	1.02	0.85	
EC1	07-Jun-89	5.20	7.6	159	50	8	14	<1	85	16.5	48.6	<0.01	0.143	<1	na	<0.002	na	<0.02	0.01	nd	nd	0.02	0.05	0.15	0.25	
EC1	13-Jul-89	1.78	7.8	159	106	6	21	<0.01	88	25.0	78.6	<1	0.240	<1	0.21	<0.001	0.08	<0.01	nd	nd	0.02	nd	0.43	0.39		
EC1	29-Aug-89	0.18	7.2	226	144	1	25	<0.01	101	30.1	67.5	0.0	0.140	0.13	0.23	nd	nd	nd	nd	nd	nd	0.02	0.05	0.14	0.24	
EC1	26-Sep-89	0.07	7.8	287	182	10	23	0	122	27.8	89.1	0.0	0.310	<0.01	0.34	0.003	nd	nd	nd	nd	nd	0.02	0.05	0.14	0.24	
EC1	26-Oct-89	0.07	7.4	270	166	148	12	0	109	15.7	51.4	0.0	<0.04	0.34	0.41	0.0037	<0.002	0.0047	<0.01	0.1	<0.02	0.02	<0.05	0.9	0.7	
EC1	27-Jun-90	3.80	8.0	174	94	2	15	0	88	18.6	66.3	0.0	0.310	0.06	0.54	0.0015	<0.002	0.009	<0.01	<1	<0.02	0.03	<0.05	0.53	0.44	
EC1	30-Jul-90	0.54	7.2	188	146	5	19	0	92	23.3	0.170	0.39	<0.002	<0.002	<0.005	<0.01	<1	<0.02	0.01	0.05	0.86	0.61	0.7	0.7		
EC1	30-Aug-90	0.30	7.6		106	4	17	0	110	20.7	88.1	0.0	0.240	0.34	0.87	<0.002	<0.002	<0.005	<0.01	<1	<0.02	0.01	0.05	0.87	0.7	
EC1	25-Sep-90	0.26	7.4	236	130	7	15	73	18.3	56.6	0.0	0.0	0.04	0.41	0.0062	<0.002	<0.005	<0.01	<1	<0.02	0.01	0.05	2.37	0.17	1.31	
EC1	11-Jun-91	8.62	7.5	171	136	<1	17	75	20.7	59.3	0.0	0.0	0.04	0.38	0.0045	<0.002	0.0107	<0.01	<0.01	<0.02	0.01	0.05	0.94	0.18	0.87	
EC1	11-Jul-91	3.35	6.9	153	116	1	21	84	25.6	85.4	0.0	<0.02	0.08	0.26	0.002	<0.005	0.011	<0.01	0.1	<0.02	0.01	0.06	0.43	0.25	0.51	
EC1	07-Aug-91	0.56	7.2	213	150	<1	19	121	23.2	100.0	0.0	0.095	0.11	0.31	0.006	<0.001	<0.02	<0.01	<1	<0.02	0.02	<0.05	1.74	0.31	1.48	
EC1	20-Sep-91	0.79	7.0	251	202	<1	11	<1	83	13.4	76.6	0	0.17	0.01	0.55	0.055	<0.001	0.04	<0.01	0.1	<0.02	0.03	<0.05	4.31	0.22	2.73
EC1	18-Jun-92	7.4	7.1	190	150	5	17	<1	87	20.1	71	<1	0.7	<0.01	0.35	0.009	<0.001	0.005	<0.01	0.1	<0.02	0.01	<0.05	1.48	0.27	1.27
EC1	14-Jul-92	3.0	7.3	198	150	5	17	<1	87	20.1	85.6	<0.01	<0.04	0.05	0.34	0.006	<0.001	0.014	<0.01	0.2	<0.02	0.03	0.13	2.15	0.28	1.35
EC1	11-Aug-92	0.7	7.1	226	166	<1	19	98	23.2	95.3	<1	0.08	<0.01	0.49	0.311	<0.001	0.016	<0.01	0.2	<0.02	0.04	0.11	2.98	0.31	1.87	
EC1	02-Sep-92	1.1	7.9	229	178	4	22	111	26.9	89.7	<1	0.08	<0.01	0.27	0.003	<0.001	0.03	<0.001	0.06	<0.02	0.375	<0.05	0.6	0.83	0.67	
EC1	12-Oct-92	0.4	6.8	252																						
EC1	09-Jul-93	8.2	6.9	130	102	6	15	<1	83	18	46	0	0.04	0.07	0.28	0.002	<0.001	0.02	<0.001	0.2	<0.02	0.02	<0.05	0.89	<0.5	0.63
EC1	27-Aug-93	0.4	6.5	240	117	1	23	<1	81	20	66	0	2.64	<0.01	0.19	<0.002	<0.001	0.02	0.001	0.1	<0.02	0.001	<0.05	0.29	0.5	0.38
EC1	20-Sep-93	0.4	6.6	227	134	8	21	<1	101	26	62	0	0.14	0.01	0.21	0.002	<0.001	0.01	<0.001	0.1	<0.02	0.06	<0.05	0.5	<0.5	0.56
EC1	04-Oct-93	0.2	7.1	230	136	1	21	<1	105	25	64	0	0.15	0.09	0.19	0.002	<0.001	0.007	<0.001	<1	<0.02	<0.001	<0.05	0.38	<0.5	0.47
EC1	06-Jun-94	14.0	7.0	127	116	26	15	<1	52	18	41	0	0.34	0.04	0.22	0.002	<0.001	0.007	<0.001	0.1	<0.02	0.01	0.05	1.04	0.2	0.79
EC1	25-Aug-94	0.2	7.7	186	132	1	18	94	22	72	0	0.15	0.07	0.38	<0.002	<0.001	<0.005	<0.01	0.2	<0.02	0.021	<0.05	0.58	0.79	0.41	
EC1	16-Sep-94	0.84	7.3	264	170	3	19	124	23	104	0	0.44	0.08	0.3	0.003	<0.001	0.012	<0.01	0.1	<0.02	0.025	0.15	1.33	0.3	1.33	
EC1	10-Oct-94	0.46	6.7	200	158	5	17	98	21	81	0	0.24	0.08	0.22	0.005	<0.001	0.008	<0.001	0.1	<0.02	0.022	<0.05	0.74	0.4	0.96	
EC1	18-Jul-95	9.7	7.6	182	102	3	16	60	19	43	<1	0.18	0.12	0.25	0.003	<0.001	0.008	<0.005	0.11	<0.02	0.018	0.13	1.04	0.14	0.95	
EC1	16-Aug-95	2.6	7.2	151	96	<1	12	69	14.8	47.6	0	0.07	0.09	0.18	<0.002	<0.001	0.006	<0.001	<1	<0.02	0.01	<0.05	0.22	0.17	0.32	
EC1	18-Sep-95	0.91	7.75	186	107	<1	20	87.5	24.4	60.4	0	0.34	0.14	0.18	<0.002	<0.001	0.01	<0.001	<1	<0.02	0.013	<0.05	0.21	<1	0.33	
EC1	26-Oct-95	0.69	7.96	190	114	<2	18	84	21	63	0	0.08	<0.05	0.2	0.002	<0.001	0.015	<0.001	0.1	<0.02	0.01	<0.05	0.37	0.3	0.49	
EC1	23-Jul-96	6.61	6.3	128	86	3	16	55.5	19.5	39.3	<1	0.13	<0.05	0.19	0.001	<0.001	0.007	0.01	0.11	<0.01	0.016	0.04	0.53	0.18	0.48	
EC1	12-Jul-96	1.86	7.1	145	100	<2	18	86.5	22	45.9	<1	<0.05	0.05	0.18	<0.001	<0.001	0.014	<0.001	0.09	<0.01	0.016	0.16	0.19	0.1	0.31	
EC1	13-Aug-96	0.28	7.13	184	114	<2	36	80.5	43.6	28.6	<1	2.74	0.37	0.18	0.001	<0.001	0.018	<0.001	0.12	<0.01	0.039	<0.025	0.3	0.21	0.34	
EC1	11-Jul-97	5.48	6.11	130	98	<2	17	54	20	43	<1	0.54	0.06	0.19	0.002	<0.001	0.005	<0.01	0.24	<0.01	0.01	0.03	0.448	0.1	0.86	
EC1	15-Sep-97	1.03	6.79	170	80	22	17	77	27	58	<1	0.36	<0.05	0.21	<0.001	<0.001	0.006	<0.01	0.06	<0.01	<0.01	0.04	0.342	0.2	0.37	
EC1	27-Oct-97	1.00	5.92	200	140	2	22	91	25	92	<1	0.27	<0.05	0.21	0.002	0.009	0.008	<0.01	<0.05	<0.01	0.01	0.02	0.33	0.3	0.97	
EC1	08-Jul-98	6.67	5.53	144	120	3	18	80	21	41	<1	0.07	<0.05	0.21	<0.001	<0.001	0.005	<0.01	<0.05	<0.01	<0.01	0.03	0.6	0.2	0.68	
EC1	27-Aug-98	2.1	5.69	180	110	4	24	88	29	80	<1	0.21	<0.05	0.23	0.001	<0.001	0.005	<0.01	<0.05	<0.01	<0.01	0.02	0.235	0.2	0.43	
EC1	15-Sep-98	0.33	5.9	210	200	<2	25	98	30	65	ND	0.19	<0.05	0.19	0.001	<0.001	<0.005	<0.01	0.11	<0.01	0.02	<0.02	0.48	0.2	0.52	
EC1	28-Jun-99	12.5	8.25	140	110	7	9	55.5	11	41	<1	0.18	0.08	0.23	0.005	<0.001	0.007	<0.01	0.07	<0.01	0.015	0.03	0.94	0.1	1.02	
EC1	20-Jul-99	5.24	6.9	159	100	<2	19	62.5	23	43	<1	<0.05	<0.05	0.16	0.01	<0.001	0.01	<0.01	0.05	<0.01	0.01	0.03	0.28	0.3	0.52	
EC1	11-Aug-99	2.34	7.48	220	110	4	19	77	23	56	<1	<0.02	<0.05	0.23	0.002	<0.001	0.006	<0.01	0.1	<0.01	0.002	0.04	0.68	0.3	1.1	
EC1	09-Sep-99	1.82	7.18	220	170	<2	21	93	26	73	<1	<0.05	<0.05	0.2	0.002	<0.001	0.008	<0.01	0.13	<0.01	0.017	0.04	0.37	0.3	0.88	
EC1	10-Oct-99	0.29	7.02	230																						





Sunnyside Gold Corporation  
Sunnyside Mine/Mayflower Mill  
MLR Report

Site CC1

in units of mg/l unless noted		%	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
SAMPLE SITE	Sample date	cat/an	cliff	dAl	dAs	dB	dCd	dCr	dCu	dFe	dPb	dVn	dHg	dSe	dAg	dSr	dZn
1992																	
CC1A	31-Jan-92	1.15	4.80	<0.05	<0.1	0.025	<0.2	0.25	1.20	0.05	3.15	<0.022	<0.005	<0.1	1.13	4.05	
CC1A	03-Feb-92	1.53	5.10	<0.05	<0.1	0.025	<0.2	0.31	1.47	0.05	4.50	<0.022	<0.005	<0.1	1.20	5.75	
CC1A	02-Mar-92	0.85	4.87	<0.05	<0.1	0.010	<0.2	0.26	1.00	0.05	3.04	<0.022	<0.005	0.020	1.08	4.07	
CC1A	27-Apr-92	0.95	5.20	0.02	0.11	0.036	<0.2	1.12	25.50	0.04	4.01	<0.001	<0.005	<0.1	0.20	5.50	
CC1	18-May-92	1.42	3.00	<0.05	0.11	<0.02	<0.2	0.44	5.73	<0.2	0.81	<0.001	<0.005	<0.1	0.16	2.71	
CC1	06-Jun-92	0.84	3.40	<0.05	0.07	0.015	<0.2	0.51	7.39	0.03	0.87	<0.001	<0.005	<0.1	0.11	2.78	
CC1	14-Jul-92	0.56	2.40	<0.05	0.09	0.010	<0.2	0.38	1.17	0.01	0.85	<0.001	<0.005	<0.1	0.17	1.89	
CC1	10-Aug-92	3.18	3.00	<0.05	0.10	0.013	<0.2	0.44	4.21	0.01	1.07	<0.001	<0.005	<0.1	0.26	2.95	
CC1	02-Sep-92	2.99	3.00	<0.05	0.08	0.017	<0.2	0.47	3.53	<0.001	1.39	<0.001	0.01	<0.1	0.23	2.73	
CC1	12-Oct-92	1.83	2.73	0.01	<0.1	0.010	<0.2	0.02	0.13	0.01	0.93	<0.001	<0.005	<0.001	1.36	3.13	
CC1A	19-Nov-92	1.83	3.60	<0.05	0.12	0.014	<0.2	0.30	0.22	<0.1	1.75	<0.001	<0.005	<0.001	1.10	4.26	
CC1A	06-Dec-92	0.34	3.90	<0.05	0.13	0.015	<0.2	0.00	0.23	0.11	2.17	<0.001	<0.005	<0.001	6.47	4.36	
1993																	
CC1A	22-Jan-93	0.62	5.50	<0.05	0.21	<0.02	<0.2	0.32	0.30	0.005	2.52	<0.001	<0.005	<0.001	1.33	4.87	
CC1A	12-Feb-93	5.02	5.02	<0.05	<0.1	0.030	<0.2	0.52	0.82	0.170	4.49	<0.001	<0.005	<0.001	0.81	5.47	
CC1A	10-Mar-93	5.33	5.30	<0.05	<0.1	0.010	<0.2	0.32	0.81	0.140	5.42	<0.001	<0.005	<0.001	1.84	5.70	
CC1A	13-Apr-93	7.06	4.40	<0.05	<0.2	0.020	<0.2	0.29	27.50	<0.005	5.66	<0.001	<0.005	0.001	0.54	5.75	
CC1A	10-May-93	4.95	10.30	0.02	<0.2	0.020	<0.2	0.07	7.20	0.008	0.69	<0.001	<0.005	0.002	<0.5	2.31	
CC1A	11-Jun-93	15.21	3.00	<0.05	<0.2	0.009	<0.2	0.45	6.97	<0.005	0.68	<0.001	<0.005	0.001	<0.5	1.81	
CC1	09-Jul-93	11.42	2.70	<0.05	<0.1	0.009	<0.2	0.03	2.52	0.020	1.02	<0.001	<0.005	0.001	0.50	2.30	
CC1	27-Aug-93	14.10	3.40	<0.05	<0.1	0.010	<0.2	0.30	0.32	0.02	0.97	<0.001	<0.005	<0.001	0.80	2.73	
CC1	23-Sep-93	9.30	2.80	<0.05	0.12	0.020	<0.2	0.30	0.15	0.01	0.96	<0.001	<0.005	<0.001	1.00	3.09	
CC1	02-Nov-93	0.37	2.40	<0.05	0.19	0.020	<0.2	0.24	0.52	0.21	3.24	<0.001	<0.005	<0.001	1.00	4.20	
CC1A	24-Nov-93	1.94	4.50	<0.05	0.15	0.020	<0.2	0.34	0.45	0.42	3.19	<0.001	<0.005	0.005	1.70	4.65	
CC1A	08-Dec-93	0.34	5.00	<0.05	<0.1	0.020	<0.2	0.30	0.45	0.42	3.19	<0.001	<0.005	0.005	1.70	4.65	
1994																	
CC1A	21-Jan-94	1.40	5.50	<0.05	0.09	<0.02	<0.2	0.33	0.89	0.25	3.79	<0.001	<0.005	0.001	2.30	8.40	
CC1A	17-Feb-94	0.55	5.80	<0.05	0.05	0.02	<0.2	0.33	0.54	0.27	3.00	<0.001	<0.005	<0.001	2.40	5.00	
CC1A	15-Mar-94	0.15	5.70	<0.05	0.05	0.005	<0.2	0.31	0.88	0.23	7.82	<0.001	<0.005	<0.001	2.10	7.20	
CC1A	13-Apr-94	-3.82	4.50	<0.05	0.11	0.02	<0.2	0.32	0.48	0.20	4.05	<0.001	<0.005	<0.001	0.80	2.06	
CC1	05-May-94	0.04	7.50	<0.05	0.11	0.02	<0.2	0.80	10.80	0.01	1.91	<0.001	<0.005	<0.001	0.20	3.55	
CC1	10-Jun-94	14.98	1.90	<0.05	0.15	0.01	<0.2	0.10	4.78	0.01	0.56	<0.001	<0.005	<0.001	<0.1	1.71	
CC1	13-Jul-94	17.91	3.00	<0.05	0.23	0.01	<0.2	0.41	8.59	0.13	0.84	<0.001	<0.005	<0.001	<0.1	2.77	
CC1	22-Aug-94	4.15	1.80	<0.05	0.11	0.01	<0.2	0.18	0.14	<0.005	0.84	<0.001	<0.005	<0.001	0.98	2.20	
CC1	22-Sep-94	2.48	3.00	<0.05	0.08	<0.02	<0.2	0.40	2.00	<0.005	1.28	<0.001	<0.005	<0.01	0.23	3.13	
CC1	12-Oct-94	12.67	4.20	<0.05	0.10	0.02	<0.2	0.52	3.31	0.01	1.29	<0.001	<0.005	<0.001	0.40	3.42	
CC1A	29-Nov-94	7.85	2.20	<0.05	0.13	0.00	<0.2	0.30	0.39	<0.005	2.28	<0.001	<0.005	<0.001	0.50	5.30	
CC1A	07-Dec-94	1.37	4.40	<0.05	0.15	0.02	<0.2	0.34	0.53	0.10	2.87	<0.001	<0.005	<0.01	0.70	3.42	
1995																	
CC1A	17-Jan-95	0.76	4.40	<0.05	<0.1	0.02	<0.2	0.35	0.41	0.11	2.83	<0.001	<0.005	<0.001	0.80	5.16	
CC1A	01-Feb-95	1.57	4.40	<0.05	<0.1	0.02	<0.2	3.19	0.41	0.11	2.96	<0.001	<0.005	<0.001	0.90	5.43	
CC1A	13-Mar-95	0.29	4.30	<0.05	<0.1	0.02	<0.2	0.33	0.77	0.08	4.58	<0.001	<0.005	<0.001	0.80	8.03	
CC1A	12-Apr-95	4.87	6.00	0.01	<0.1	0.03	<0.2	0.61	17.40	0.05	4.50	<0.001	<0.005	<0.001	0.50	5.74	
CC1A	03-May-95	8.43	6.40	<0.05	<0.1	0.03	<0.2	0.54	2.74	0.06	5.03	<0.001	<0.005	<0.001	0.50	6.10	
CC1A	06-Jun-95	1.87	3.80	<0.05	<0.1	0.01	<0.2	0.50	12.00	0.01	0.95	<0.001	<0.005	<0.001	<0.1	2.88	
CC1	18-Jul-95	4.33	2.54	<0.05	<0.1	0.01	<0.2	0.42	5.89	0.01	0.78	<0.001	<0.005	<0.005	<0.1	1.92	
CC1	17-Aug-95	2.07	2.50	<0.05	<0.1	0.01	<0.2	0.42	3.82	0.01	0.95	<0.001	<0.005	<0.001	0.19	2.20	
CC1	28-Sep-95	3.89	2.50	<0.05	<0.1	0.01	<0.2	0.27	0.20	0.01	1.01	<0.001	0.01	<0.001	0.34	3.22	
CC1	27-Oct-95	9.21	3.40	<0.05	<0.1	0.02	<0.2	0.29	0.17	0.01	1.13	<0.001	<0.005	<0.001	0.50	3.85	
CC1	01-Dec-95	0.39	3.80	<0.05	<0.1	0.02	<0.2	0.33	0.11	0.01	1.35	<0.001	<0.005	<0.001	0.90	4.55	
CC1	11-Dec-95	2.23	44.20	<0.05	<0.1	0.20	<0.2	0.33	0.10	0.01	1.40	<0.001	<0.005	<0.001	0.70	4.95	
1996																	
CC1A	09-Jan-96	5.48	5.70	<0.05	<0.1	0.02	<0.2	0.40	0.42	0.44	3.46	<0.001	<0.005	<0.001	0.80	5.82	
CC1A	13-Feb-96	66.49	6.70	<0.05	<0.1	0.03	<0.2	0.47	2.37	0.41	5.41	<0.001	<0.005	<0.001	1.00	6.30	
CC1A	11-Mar-96	12.42	5.20	<0.05	<0.1	0.02	<0.1	0.39	0.55	0.34	3.46	<0.001	<0.005	<0.001	0.90	5.64	
CC1A	15-Apr-96	17.90	6.41	<0.05	<0.1	0.02	<0.1	0.56	3.50	0.14	4.80	<0.001	<0.005	<0.01	0.47	8.04	
CC1A	08-May-96	61.80	2.98	<0.05	<0.1	0.01	<0.1	0.38	6.29	0.02	1.44	<0.001	<0.005	<0.001	<0.1	2.52	
CC1	30-Jun-96	24.40	1.77	<0.05	<0.1	0.01	<0.1	0.07	3.78	0.01	0.43	<0.001	<0.005	0.004	0.10	1.44	
CC1	12-Jul-96	10.10	2.85	<0.05	0.09	0.02	<0.1	0.39	3.03	0.01	0.89	<0.001	<0.005	0.002	0.26	2.54	
CC1B	12-Aug-96	1.57	2.02	<0.05	<0.1	0.01	<0.1	0.14	0.20	0.02	0.75	<0.001	<0.005	0.001	0.32	2.47	
CC1B	05-Sep-96	2.22	<0.05			0.01	<0.1	0.03	0.16	0.026	0.82	<0.001	<0.005	<0.001	0.55	2.75	

## 24 31

A-13c

Sunnyside Gold Corporation  
Sunnyside Mine/Mayflower Mill  
MLR Report Site CC1

in units of mol unless noted		%	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
SAMPLE SITE	Sample date	cation diff	dAl	dAs	dBi	dCd	dCr	dCu	dFe	dPb	dVn	dHg	dSe	dAg	dSr	dZn
CC-1B	23-Oct-96		2.89	<0.05		0.008	<0.1	0.332	2.00	0.012	1.01	<0.01	<0.05	<0.01	0.38	2.92
CC-1B	11-Nov-96		3.72	<0.05		0.012	<0.1	0.407	2.86	0.013	1.11	<0.01	<0.05	<0.01	0.41	3.35
CC-1B	02-Dec-96		2.84	<0.05		0.012	<0.1	0.247	0.25	0.012	1.02	<0.01	<0.05	<0.01	0.48	3.39
1997																
CC-1B	20-Jan-97		3.21	<0.05		0.014	<0.1	0.208	0.71	0.011	1.04	<0.01	<0.05	<0.01	0.84	3.54
CC-1B	18-Feb-97		3.78	<0.05		0.015	<0.1	0.312	0.37	0.01	1.17	<0.01	<0.05	<0.01	1	3.98
CC-1B	10-Mar-97		3.89	<0.05		0.01	<0.1	0.288	0.12	0.011	1.14	<0.01	<0.05	<0.01	0.7	3.78
CC-1B	08-Apr-97		3.36	<0.05		<0.1	<0.1	0.343	1.44	0.009	1.03	<0.01	<0.05	<0.1	0.53	2.85
CC-1B	05-May-97		0.72			0.018	<0.1	0.773	23.7	0.014	1.75	<0.01	<0.05	<0.1	0.26	3.89
CC-1	11-Jun-97	2.2	2.89	<0.05	0.54	0.008	<0.1	0.4	8.01	0.009	0.65	<0.01	<0.05	<0.01	<1	2.24
CC-1	08-Jul-97	0	2.84	<0.05	0.48	0.01	<0.1	0.33	7.96	0.007	0.88	<0.01	<0.05	0.03	0.1	2.24
CC-1	13-Aug-97	25.4	3.23	<0.05	<0.05	0.012	<0.1	0.5	4.03	0.015	1.35	0.002	<0.05	<0.1	0.2	2.77
CC-1	08-Sep-97	12.4	3	<0.05	<0.05	0.013	0.03	0.35	1.95	<0.05	1.8	<0.01	<0.05	<0.1	0.3	3.53
CC-1	15-Oct-97	1.1	3.73	<0.05	<0.05	0.015	<0.1	0.49	8.23	0.009	1.33	<0.01	<0.05	<0.1	0.2	3.31
CC-1	03-Nov-97	3.87	2.74	<0.05	<0.05	<0.01	<0.1	0.32	1.81	0.009	1.1	<0.01	<0.05	<0.1	0.3	3.38
CC-1	15-Dec-97	0.72	3.48	<0.05	<0.05	0.018	<0.1	0.34	0.17	0.014	1.68	<0.01	<0.05	<0.1	0.8	5.21
1998																
CC-1	21-Jan-98	1.7	3.52	<0.05	<0.05	0.007	<0.1	0.38	0.12	<0.05	1.61	<0.01	<0.05	<0.1	0.9	4.56
CC-1	03-Feb-98	1.13	4.17	<0.05	<0.05	0.005	<0.1	0.39	0.12	<0.05	1.69	<0.01	<0.05	<0.1	0.8	4.67
CC-1	03-Mar-98	0.4	3.8	<0.05	<0.05	0.01	<0.1	0.35	0.14	0.01	1.83	<0.01	<0.05	<0.1	0.7	4.58
CC-1	02-Apr-98	5.19	4.18	<0.05	<0.05	0.013	<0.1	0.37	0.26	0.008	1.41	<0.01	<0.05	<0.1	0.7	3.89
CC-1	05-May-98	3.83	4.43	0.008	<0.05	0.003	<0.1	0.53	19.6	0.036		<0.01	<0.05	<0.1	0.2	2.9
CC-1	12-Jun-98	5.57	2.87	<0.05	<0.05	0.009	<0.1	0.39	6.68	0.008	0.74	<0.01	<0.05	<0.1	<1	2.14
CC-1	20-Jul-98	6.88	2.58	<0.05	<0.05	0.014	<0.1	0.38	4.81	<0.1	1.25	<0.01	<0.05	<0.1	0.2	2.29
CC-1	04-Aug-98	3.39	2.49	<0.05	<0.05	0.01	<0.1	0.33	2.99	<0.05	1.53	<0.01	<0.05	<0.1	0.2	2.41
CC-1	08-Sep-98	2.48	2.15	<0.05	<0.05	0.01	<0.1	0.28	0.29	0.009	1.49	<0.01	<0.05	<0.1	0.3	3.33
CC-1	01-Oct-98	4.31	2.27	<0.05	<0.05	0.12	<0.1	0.22	0.11	0.01	1.4	<0.01	<0.05	<0.1	0.4	3.58
CC-1	18-Nov-98	3.31	2.85	<0.05	<0.05	0.011	<0.1	0.22	0.08	0.009	1.35	<0.01	<0.05	<0.1	0.4	3.01
CC-1	03-Dec-98	6.36	2.58	<0.05	<0.05	0.011	<0.1	0.31	0.52	0.008	1.71	<0.01	<0.05	0.04	0.4	3.55
1999																
CC-1	07-Jan-99	1.4	4.15	<0.05	<0.05	0.02	<0.1	0.41	0.12	<0.05	2.02	<0.01	<0.05	<0.1	0.7	5.21
CC-1	02-Feb-99	0.41	4.15	0.017	<0.05	0.02	<0.1	0.37	0.09	<0.05	1.72	<0.01	<0.05	<0.1	1	5.07
CC-1	01-Mar-99	0.22	3.57	<0.05	<0.05	0.01	<0.1	0.33	0.08	<0.05	2.13	<0.01	<0.05	<0.1	1	6.8
CC-1	13-Apr-99	0.55	5.39	<0.05	<0.05	0.014	<0.1	0.51	6.39	0.01	1.82	<0.01	<0.05	<0.1	0.4	4.25
CC-1	07-May-99	4.42	<0.05	<0.05	0.047	<0.1	0.8		0.2	0.014	1.88	<0.01	<0.05	<0.1	0.55	5.69
CC-1	01-Jun-99	0.44	1.87	<0.05	<0.05	0.004	<0.1	0.22	4.14	0.012	0.54	<0.01	<0.05	<0.1	<0.1	1.81
CC-1	08-Jul-99	2.79	2.22	<0.05	<0.05	0.055	<0.1	0.43	4.28	0.005	0.78	<0.01	<0.05	<0.1	0.1	2.00
CC-1	03-Aug-99	4.49	3.86	<0.05	<0.05	0.02	<0.1	0.83	4.5	0.011	1.85	<0.01	<0.05	<0.1	0.3	4.37
CC-1	01-Sep-99	1.5	5.48	<0.05	<0.05	0.068	<0.1	1.28	8.58	0.018	2.75	<0.01	0.012	<0.1	0.4	7.57
CC-1	05-Oct-99	10.49	12.4	<0.05	<0.05	0.225	<0.1	2.21	12.4	0.031	5.58	<0.01	<0.05	<0.1	0.8	15.9
CC-1	05-Nov-99	8.87	20.4	<0.05	<0.05	0.417	<0.1	3.2	2.14	<0.05	9.17	<0.01	<0.05	<0.1	1	27.2
CC-1	05-Dec-99	0.29	25.3	<0.05	<0.05	<0.01	<0.1	3.93	2.87	0.1	12.3	<0.01	<0.05	<0.1	1.1	34.9
2000																
CC-1	04-Jan-00	2.81	28.3	<0.05	<0.05	0.85	<0.1	4.14	2.98	0.087	15.7	<0.01	<0.05	<0.1	1.2	39.7
CC-1	01-Feb-00	1.4	26.1	<0.05	<0.05	0.583	<0.1	3.98	3.09	0.098	15.5	<0.01	<0.05	<0.1	1.3	37.3
CC-1	02-Mar-00	3.89	24.7	0.038	<0.05	0.517	<0.1	3.41	2.92	0.08	14.5	<0.01	0.015	<0.1	1.3	34.5
CC-1	04-Apr-00	5.98	23	<0.05	<0.05	0.46	<0.1	3.00	2.8	0.09	14.3	<0.01	<0.05	<0.1	0.8	32.7
CC-1	02-May-00	8.54	3.81	<0.05	<0.05	0.033	<0.1	0.58	8.19	0.018	1.74	<0.01	<0.05	<0.1	0.2	3.98
CC-1	06-Jun-00	11.05	2.37	0.009	<0.05	0.019	<0.1	0.39	4.28	<0.05	1.19	<0.01	<0.05	<0.1	0.2	2.57
CC-1	08-Jul-00	11.62	5.04	<0.05	<0.05	0.08	<0.1	0.83	7.27	0.019	3.11	<0.01	<0.05	<0.1	0.5	6.52
CC-1	01-Aug-00	23.34	9.48	<0.05	<0.05	0.147	<0.1	1.53	11.6	0.051	6.73	<0.01	<0.05	<0.1	0.7	14.7
CC-1	06-Sep-00	36.83	7.89	<0.05	<0.05	0.067	<0.1	1.35	9.81	0.045	5.82	<0.01	0.03	<0.1	0.6	10.5
CC-1	02-Oct-00	2.3	6.09	<0.05	<0.05	0.115	<0.1	1.81	11.6	0.035	6.72	<0.01	<0.05	<0.1	0.7	12.3
CC-1	02-Nov-00	12.88	8.72	0.025	<0.05	0.117	<0.1	1.12	8.99	0.044	5.31	<0.01	<0.05	<0.1	0.7	12.4
CC-1	07-Dec-00	10.58	13.5	<0.05	<0.05	0.228	<0.1	2.21	12.3	0.085	11.8	<0.01	<0.05	<0.1	0.8	22.7
2001																
CC-1	05-Jan-01	23.89	13.9	<0.05	<0.05	<0.01	<0.1	2.11	10.7	0.082	13.8	<0.01	<0.05	<0.1	1.5	25.8
CC-1	12-Feb-01	25.08	14.9	<0.05	<0.05	0.23	<0.1	2.17	8.54	0.079	13.1	<0.01	<0.05	<0.1	2	23.4
CC-1	13-Mar-01	15.73	14.7	<0.05	<0.05	0.237	<0.1	2.07	7.29	0.073	13.4	<0.01	<0.05	<0.1	1.8	23.3
CC-1	03-Apr-01	8.85	12.5	<0.05	<0.05	0.18	<0.1	1.8	10.9	<0.05	11.5	<0.01	<0.05	<0.1	1.2	19.3
CC-1	07-May-01	30.27	4.18	<0.05	<0.05	0.048	<0.1	0.715	8.53	<0.05	2.83	<0.01	<0.05	<0.1	0.4	5.58
CC-1	05-Jun-01	12.4	1.78	<0.05	<0.05	0.013	<0.1	0.31	3.8	0.023	0.95	<0.01	<0.05	<0.1	0.2	1.98
CC-1	05-Jul-01	16.55	1.72	<0.05	<0.05	0.014	<0.1	0.309	2.48	0.018	1.59	<0.01	<0.05	<0.1	0.4	2.73
CC-1	02-Aug-01	13.3	4.23	<0.05	<0.05	0.041	<0.1	0.79	8.99	0.02	3.45	<0.01	<0.05	<0.1	0.5	5.86
CC-1	04-Sep-01	21.6	11	<0.05	<0.05	0.109	<0.1	8.11	20.8	0.036	9.5	<0.01	<0.05	<0.1	1.1	14.8

## MLR Report Site: CC1

SAMPLE SITE		SAMPLEDATE	SAMPLETIME	SAMPLEDEPTH	LAB	QMGD	Q/GPM	FieldT	FieldpH	labpH	FieldCond	labcond	TDS(180)	TSS	ALK	Ac	Hard	CO3&NO	NO2	NH3	FI	P	HCO3	CO3	OH	CL	sulfate	Ca	Mg	K	Na	cations	anions
CC-1	01-Oct-01	10:30:00	GN	IML		0.980	581.00	8.1	3.3	3.4	780	970	760	<2	<1	106	387.0	<0.5	0.09	3.83	0.18	<1	<1	<1	<1	19	725	139	9.5	0.9	4.5	10.07	15.35
CC-1	05-Nov-01	10:15:00	GN	IML		0.830	578.00	10.2	3.0	3.3	1050	1360	1050	2	<1	255	372.0	0.18	0.5	4.98	0.14	<1	<1	<1	<1	<1	1070	135	8.4	0.7	4.5	12.75	22.64
CC-1	03-Dec-01	09:30:00	GN	IML		0.740	513.00	5.6	3.9	3.2	1050	1370	1090	<2	<1	223	448	0.1	0.80	0.13	<1	<1	<1	<1	<1	<1	1040	175	11.8	1	5.1	14.38	21.71
2002																																	
CC-1	02-Jan-02	11:30:00	GN	IML		0.580	403.00	6.2	2.9	3.4	1050	1350	1100	2	<1	180	448	0.3	<1	9.80	0.12	<1	<1	<1	<1	<1	862	163	9.9	0.9	4.8	12.98	18.58
CC-1	04-Feb-02	10:30:00	GN	IML		0.550	382.00	5.8	3.1	3.3	1030	1330	1120	3	<1	184	470	0.1	0.40	10.2	0.1	<1	<1	<1	<1	15	1030	171	10.3	1.3	4.8	13.31	21.88
CC-1	05-Mar-02	10:30:00	GN	IML		0.520	361.00	6.5	3.2	3.3	980	1320	1070	<2	<1	189	474	0.12	<0.05	0.95	0.03	<1	<1	<1	<1	<1	974	173	10.5	1.3	4.5	13.07	20.29
CC-1	09-Apr-02	09:45:00	GN	IML		2.370	1647.00	7.3	3.3	3.1	460	820	360	16	<1	78	145	0.28	<0.05	2.2	0.02	<1	<1	<1	<1	<1	358	50.4	4.7	0.8	2		

Sunnyside Gold Corporation  
Sunnyside Mine/Mayflower Mill  
MLR Report  
Site: CC1

***** in units of mg/l unless noted		*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
		%	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
SAMPLE SITE	Sample date	cat/an diff	dAl	dAs	dB	dCd	dCr	dCu	dFe	dPb	dMn	dHg	dSe	dAg	dSr	dZn
CC-1	01-Oct-01	21.66	11.7	<.005	<.05	0.01	<.01	1.49	1.74	0.033	8.83	<.001	<.005	<.01	1.3	12.9
CC-1	06-Nov-01	27.35	10.5	0.009	<.05	0.187	<.01	1.9	16.5	0.071	12.6	<.001	<.005	<.01	1.8	21.5
CC-1	03-Dec-01	20.31	16.9	<.005	<.05	0.218	<.01	2.82	17.9	0.083	17.5	<.001	<.005	<.01	1.9	25.2
2002																
CC-1	02-Jan-02	17.71	13.3	0.059	<.05	0.213	0.09	2.15	13.2	0.082	15.8	<.001	<.005	<.01	1.9	23.8
CC-1	04-Feb-02	24.35	14	<.005	<.05	0.21	<.01	2.12	11.8	0.085	16.6	<.001	<.005	<.01	2.1	24.5
CC-1	05-Mar-02	21.84	13.7	<.005	<.05	0.209	<.01	2	10.3	0.07	16.9	<.001	<.005	<.01	2.3	24.8
CC-1	02-Apr-02		4.94	<.005	<.05	0.048	<.01	0.79	11.5	0.028	4.5	<.001	<.005	<.01	0.5	6.56

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Year	Age	Sex	Height (cm)	Weight (kg)	Body Fat (%)	Lean Body Mass (kg)	Basal Metabolic Rate (kcal/day)	Resting Energy Expenditure (kcal/day)	Thermic Effect of Food (kcal/day)	Physical Activity Level (kcal/day)	Total Energy Expenditure (kcal/day)	Energy Balance (kcal/day)	Weight Change (kg/year)
1960	10	M	140.0	32.0	15.0	27.0	1150	1450	150	1000	2700	2700	0.0
1965	15	M	160.0	50.0	18.0	42.0	1450	1850	200	1200	3250	3250	0.0
1970	20	M	175.0	70.0	20.0	50.0	1650	2100	250	1400	3800	3800	0.0
1975	25	M	185.0	85.0	22.0	63.0	1800	2300	300	1600	4300	4300	0.0
1980	30	M	190.0	90.0	23.0	67.0	1850	2350	310	1650	4410	4410	0.0
1985	35	M	192.0	92.0	24.0	68.0	1880	2380	320	1680	4480	4480	0.0
1990	40	M	193.0	93.0	25.0	68.0	1900	2400	330	1700	4530	4530	0.0
1995	45	M	194.0	94.0	26.0	68.0	1920	2420	340	1720	4580	4580	0.0
2000	50	M	195.0	95.0	27.0	68.0	1940	2440	350	1740	4630	4630	0.0
2005	55	M	196.0	96.0	28.0	68.0	1960	2460	360	1760	4680	4680	0.0
2010	60	M	197.0	97.0	29.0	68.0	1980	2480	370	1780	4730	4730	0.0
2015	65	M	198.0	98.0	30.0	68.0	2000	2500	380	1800	4780	4780	0.0
2020	70	M	199.0	99.0	31.0	68.0	2020	2520	390	1820	4830	4830	0.0
2025	75	M	200.0	100.0	32.0	68.0	2040	2540	400	1840	4880	4880	0.0
2030	80	M	201.0	101.0	33.0	68.0	2060	2560	410	1860	4930	4930	0.0
2035	85	M	202.0	102.0	34.0	68.0	2080	2580	420	1880	4980	4980	0.0
2040	90	M	203.0	103.0	35.0	68.0	2100	2600	430	1900	5030	5030	0.0
2045	95	M	204.0	104.0	36.0	68.0	2120	2620	440	1920	5080	5080	0.0
2050	100	M	205.0	105.0	37.0	68.0	2140	2640	450	1940	5130	5130	0.0
2055	105	M	206.0	106.0	38.0	68.0	2160	2660	460	1960	5180	5180	0.0
2060	110	M	207.0	107.0	39.0	68.0	2180	2680	470	1980	5230	5230	0.0
2065	115	M	208.0	108.0	40.0	68.0	2200	2700	480	2000	5280	5280	0.0
2070	120	M	209.0	109.0	41.0	68.0	2220	2720	490	2020	5330	5330	0.0
2075	125	M	210.0	110.0	42.0	68.0	2240	2740	500	2040	5380	5380	0.0
2080	130	M	211.0	111.0	43.0	68.0	2260	2760	510	2060	5430	5430	0.0
2085	135	M	212.0	112.0	44.0	68.0	2280	2780	520	2080	5480	5480	0.0
2090	140	M	213.0	113.0	45.0	68.0	2300	2800	530	2100	5530	5530	0.0
2095	145	M	214.0	114.0	46.0	68.0	2320	2820	540	2120	558		

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REPORT  
SAC 002

410

SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
AMERICAN TUNNEL BULKHEAD

meter -> in units of mg/l unless noted

Station	Sample Date	Field pH s.u.	Field Cond umho	Field T C	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	TOTAL HARDNESS
AMERICAN TUNNEL BULKHEAD	17-Jan-97	5.35	2000	12.00									
AMERICAN TUNNEL BULKHEAD	29-Jan-97	5.10	2000	12.00									
AMERICAN TUNNEL BULKHEAD	14-Feb-97	4.78	2000	12.00									
AMERICAN TUNNEL BULKHEAD	03-Mar-97	4.52	2000	12.00									
AMERICAN TUNNEL BULKHEAD	14-Mar-97	4.37	2200	13.00									
AMERICAN TUNNEL BULKHEAD	31-Mar-97	4.20	2300	12.00									
AMERICAN TUNNEL BULKHEAD	09-May-97	4.20	2200	13.00	0.54	4.40	0.69	198.00	25.80	234.00	12.70	2259.00	1358.00
AMERICAN TUNNEL BULKHEAD	18-May-97	4.19	2300	12.00									
AMERICAN TUNNEL BULKHEAD	23-May-97	3.72	2500	13.00									
AMERICAN TUNNEL BULKHEAD	04-Jun-97	3.22	2400	12.00									
AMERICAN TUNNEL BULKHEAD	18-Jun-97	3.25	2600	12.50									
AMERICAN TUNNEL BULKHEAD	30-Jun-97	3.49	2300	12.00									
AMERICAN TUNNEL BULKHEAD	23-Jul-97	4.72	2100	12.00									
AMERICAN TUNNEL BULKHEAD	08-Aug-97	4.90	2200	13.00									
AMERICAN TUNNEL BULKHEAD	18-Aug-97	4.81	2400	12.50									
AMERICAN TUNNEL BULKHEAD	03-Sep-97	5.25	2400	12.00									
AMERICAN TUNNEL BULKHEAD	22-Sep-97	5.25		12.50									
AMERICAN TUNNEL BULKHEAD	10-Oct-97	5.55	2200	12.00									
AMERICAN TUNNEL BULKHEAD	11-Nov-97	5.40	2100	10.80									
AMERICAN TUNNEL BULKHEAD	01-Dec-97	5.45	2000	10.80									
AMERICAN TUNNEL BULKHEAD	23-Dec-97	5.45	2000	13.50									
AMERICAN TUNNEL BULKHEAD	01-Jan-98	5.83	2000	12.00									
AMERICAN TUNNEL BULKHEAD	28-Feb-98	3.45	2000	10.50									
AMERICAN TUNNEL BULKHEAD	23-Mar-98	3.31	2300	10.20	<.001	8.13	0.90	228.00	50.10	249.00	13.10	2120.00	1010.00
AMERICAN TUNNEL BULKHEAD	22-Apr-98	3.14	2400	12.00									
AMERICAN TUNNEL BULKHEAD	22-May-98	3.11	2800	14.50									
AMERICAN TUNNEL BULKHEAD	12-Jun-98	2.83	2700	12.00									
AMERICAN TUNNEL BULKHEAD	26-Jun-98	2.88	2800	12.00									
AMERICAN TUNNEL BULKHEAD	29-Jul-98	2.83	2800	13.00									
AMERICAN TUNNEL BULKHEAD	28-Aug-98	2.88	2500	10.80									
AMERICAN TUNNEL BULKHEAD	25-Sep-98	3.02	2500	11.00									
AMERICAN TUNNEL BULKHEAD	04-Nov-98	3.87	2500	11.40									
AMERICAN TUNNEL BULKHEAD	25-Nov-98	3.94	2100	11.90									
AMERICAN TUNNEL BULKHEAD	05-Jan-99	4.08	2300	11.30									
AMERICAN TUNNEL BULKHEAD	27-Jan-99	4.25	2300	10.80									
AMERICAN TUNNEL BULKHEAD	24-Feb-99	4.36	2300	10.90	<.001	1.93	0.50	330.00	88.80	309.00	15.80	2630.00	1450.00
AMERICAN TUNNEL BULKHEAD	30-Mar-99	4.88	2200	9.70									
AMERICAN TUNNEL BULKHEAD	27-Apr-99	4.43	2400	10.0									
AMERICAN TUNNEL BULKHEAD	28-May-99	4.40	2200	14.1									
AMERICAN TUNNEL BULKHEAD	25-Jun-99	4.82	2500	11.1									
AMERICAN TUNNEL BULKHEAD	23-Jul-99	5.09	3000	12.80									
AMERICAN TUNNEL BULKHEAD	24-Aug-99	4.85	3100	11.80									
AMERICAN TUNNEL BULKHEAD	24-Sep-99	5.29	3000	11.70									
AMERICAN TUNNEL BULKHEAD	22-Oct-99	4.84	3100	11.80									
AMERICAN TUNNEL BULKHEAD	29-Nov-99	4.87	2800	13.00									
AMERICAN TUNNEL BULKHEAD	28-Dec-99	4.88	2800	12.50									
AMERICAN TUNNEL BULKHEAD	01-Jan-00	4.87	2400	11.80									
AMERICAN TUNNEL BULKHEAD	25-Feb-00	4.88	2300	12.50									
AMERICAN TUNNEL BULKHEAD	10-Apr-00	5.27	2300	17.10	0.29	0.24	0.33	258.00	101.00	316.00	13.80	2850.00	1310.00
AMERICAN TUNNEL BULKHEAD	10-Oct-00	5.25	2800	12.10									
AMERICAN TUNNEL BULKHEAD	04-Dec-00	5.19	2500	12.30									
AMERICAN TUNNEL BULKHEAD	27-Mar-01	5.34	2250	12.11	0.13	0.055	0.15	200.00	94.50	290.00	9.50	3030.00	1220.00
AMERICAN TUNNEL BULKHEAD	14-May-01	6.16	2200	11.80	MONITORING COMPLETED-BULKHEAD PIPES READY FOR PERMANENT CLOSURE BY GROUTING								



## SUNNYSIDE GOLD CORPORATION

## AMERICAN TUNNEL BULKHEAD WATER DATA

Date	Time	Pressure psi	pH s.u.	Conductivity umho	Temp C	Comments	Discharge Flow MGal	H2O Injected MGal	Total Lime Slurry Injected lbs Ca(OH)2
16-Jul-96		86					0.69		
17-Jul-96							0.69	0.22	
18-Jul-96	01:15 PM	89	4.74				0.69	0.53	32236
19-Jul-96	07:30 AM	91					0.69	1.52	42981
20-Jul-96							0.70	1.39	42981
21-Jul-96							0.70	0.97	29550
22-Jul-96	07:30 AM	99	5.26				0.71	0.92	33490
23-Jul-96	07:30 AM	101	5.27				0.73	0.78	32236
24-Jul-96	07:30 AM	102	5.40				0.73	0.61	30445
25-Jul-96	07:30 AM	106	5.52				0.75	0.62	
26-Jul-96	07:45 AM	109	6.10				0.75	0.63	
27-Jul-96	07:30 AM	110	6.10				0.75	0.76	
28-Jul-96	07:30 AM	112	6.60				0.71	0.79	
29-Jul-96	07:30 AM	115	6.40			Valve closed later reopened	0.71	0.87	25681
30-Jul-96	07:15 AM	119	6.44				1.05	0.68	31928
31-Jul-96	08:00 AM	119	6.54				1.15	0.66	32622
01-Aug-96	07:30 AM	120	6.34				1.15	0.53	31928
02-Aug-96	07:30 AM	120	6.30			Valve closed	1.15	0.65	31233
03-Aug-96								0.81	32622
04-Aug-96								0.63	31928
05-Aug-96	08:30 AM	130	5.12					0.639	5940
06-Aug-96								0.511	7128
07-Aug-96	08:45 AM	136	5.20					0.497	6831
08-Aug-96								0.514	7128
09-Aug-96	08:30 AM	141	5.52	1300				0.445	6237
10-Aug-96								0.42	7128
11-Aug-96								0.395	7128
12-Aug-96	08:30 AM	146	5.52	1190				0.384	7128
13-Aug-96								0.367	7128
14-Aug-96	05:00 PM	150	5.28	680			0.16	0.37	6831
15-Aug-96	08:50 AM	152	5.97	440		Valve opened	0.10	0.367	7128
16-Aug-96	07:45 AM	151	5.65	1150			1.23	0.367	7128
17-Aug-96	08:15 AM	150	5.20	1100	11		1.25	0.367	7128
18-Aug-96	09:40 AM	149	5.41		12		1.24	0.353	7128
19-Aug-96	06:20 PM	149	5.59	1960	13		1.25	0.353	
20-Aug-96							1.26	0.36	6123
21-Aug-96	07:50 AM	149	5.65		12		1.26	0.36	6123
22-Aug-96							1.26	0.367	6123
23-Aug-96	09:30 AM	148	5.84		12		1.26	0.37	6123
24-Aug-96							1.26	0.389	6123
25-Aug-96	06:20 PM	148	5.84		12		1.26	0.324	5102
26-Aug-96							1.27	0.333	6123
27-Aug-96							1.27	0.288	3061
28-Aug-96							1.27	0.264	
29-Aug-96	09:00 AM	148	5.98	1800	12		1.28	0.288	
30-Aug-96						Injection thru SS Basin started	1.28	0.288	30000
31-Aug-96							1.28	0.288	15000
01-Sep-96							1.28	0.288	
02-Sep-96							1.28	0.288	
03-Sep-96	10:30 AM	148	8.28	1880			1.28	0.288	15000
04-Sep-96	05:35 PM	148	9.61	1880	13		1.28	0.288	30000
05-Sep-96							0.88	0.288	30000
06-Sep-96	09:40 AM		9.77	1780			0.88	0.288	
07-Sep-96	08:00 PM	150	11.70		14		0.47	0.288	
08-Sep-96							0.63	0.288	
09-Sep-96	12:00 AM	151	11.77	3100	12	Valve closed	0.78	0.288	15000
10-Sep-96								0.288	30000
11-Sep-96								0.288	30000
12-Sep-96								0.288	
13-Sep-96								0.288	
14-Sep-96								0.288	
15-Sep-96								0	
16-Sep-96						SS Basin Injection stopped	0.024		22200
17-Sep-96	09:40 AM	160						0.168	
18-Sep-96	10:45 AM	165	12.08					0.144	
19-Sep-96	09:30 AM	169		3400				0.288	
20-Sep-96								0.288	
21-Sep-96								0.144	
22-Sep-96								0.144	
23-Sep-96								0.216	
24-Sep-96	10:15 AM	178	12.25	3600				0.288	
25-Sep-96								0.288	
26-Sep-96								0.288	

## SUNNYSIDE GOLD CORPORATION

## AMERICAN TUNNEL BULKHEAD WATER DATA

Date	Time	Pressure psi	pH s.u.	Conductivity umho	Temp C	Comments	Discharge Flow MGal	H2O Injected MGal	Total Lime lbs Ca(OH)2
27-Sep-96	10:15 AM	180	12.22	3500				0.144	
28-Sep-96								0	
29-Sep-96								0	
30-Sep-96								0	
01-Oct-96								0.288	
02-Oct-96								0.288	
03-Oct-96								0.288	
04-Oct-96	01:00 PM	189	12.50	3300				0.288	
05-Oct-96								0.288	
06-Oct-96								0.288	
07-Oct-96								0.144	
08-Oct-96								0	
09-Oct-96						H2O injection Stopped		0.072	
10-Oct-96	02:00 PM	198	12.33	3000	11				
17-Oct-96	10:00 AM	201	6.60	1900	11				
25-Oct-96	11:00 AM	208	5.73	1890	12				
01-Nov-96	09:30 AM	210	5.38	1930	12				
08-Nov-96	10:15 AM	212	5.42	1970	10				
21-Nov-96	02:00 PM	219	4.90	2100	11				
12-Dec-96	11:15 AM	226	4.99	2000	11				
30-Dec-96	12:05 PM	231	5.48	2000	11				
17-Jan-97	02:30 PM	234	5.35	2000	12				
29-Jan-97	09:30 AM	239	5.10	2000	12				
14-Feb-97	08:30 AM	245	4.76	2000	12				
03-Mar-97	02:00 PM	249	4.52	2000	12				
14-Mar-97	09:30 AM	250	4.37	2200	13				
31-Mar-97	02:30 PM	252	4.20	2300	12				
28-Apr-97	10:30 AM	259	4.34	2400	12				
09-May-97	09:00 AM	261	4.20	2200	13				
16-May-97	08:30 AM	263	4.19	2300	12				
23-May-97	09:15 AM	272	3.72	2500	13				
04-Jun-97	08:30 AM	286	3.22	2400	12				
16-Jun-97	08:30 AM	297	3.25	2600	12.5	H2O Inj. Started- Gravity Feed			
30-Jun-97	09:00 AM	301	3.49	2300	12				
23-Jul-97	11:30 AM	307	4.72	2100	12				
July								1.51	28000
06-Aug-97	01:45 PM	309	4.90	2200	13				
18-Aug-97	01:15 PM	311	4.61	2400	12.5				
August								2.55	151960
03-Sep-97	10:00 AM	312	5.25	2400	12				
22-Sep-97	01:00 PM	314	5.25		12.5				
29-Sep-97						H2O Inj. Stopped			
								1.25	303020
13-Oct-97	02:30 PM	318	5.55	2200	12				
11-Nov-97	09:30 AM	321	5.40	2100	10.6				
01-Dec-97	11:00 AM	323	5.45	2000	10.8				
23-Dec-97	10:30 AM	326	5.45	2000	13.5				
23-Jan-98	02:00 PM	329	5.63	2000	12				
26-Feb-98	09:00 AM	331	3.45	2000	10.5				
23-Mar-98	10:30 AM	332	3.18	2300	10.2				
22-Apr-98	09:00 AM	333	3.14	2400	12				
22-May-98	09:00 AM	336	3.11	2600	14.5				
12-Jun-98	09:00 AM	347	2.83	2700	12				
26-Jun-98	12:00 PM	351	2.68	2700	12				
29-Jul-98	10:00 AM	354	2.83	2600	13				
28-Aug-98	10:00 AM	359	2.88	2500	10.8				
25-Sep-98	09:30 AM	360	3.02	2500	11				
04-Nov-98	09:15 AM	363	3.87	2500	11.4				
25-Nov-98	10:30 AM	365	3.94	2100	11.9				
05-Jan-99	09:30 AM	368	4.08	2300	11.3				
27-Jan-99	10:00 AM	370	4.25	2300	10.6				
24-Feb-99	09:30 AM	370	4.36	2300	10.9				
30-Mar-99	09:30 AM	371	4.68	2200	9.7				
27-Apr-99	09:45 AM	372	4.43	2400	10				
26-May-99	10:00 AM	375	4.40	2200	14.1				
25-Jun-99	09:00 AM	395	4.62	2500	12.8				
28-Jun-99						H2O inj. to lower Terry Ponds		0.01	
29-Jun-99						H2O inj. to lower Terry Ponds		0.03	
30-Jun-99						H2O inj. to lower Terry Ponds		0.03	
02-Jul-99						H2O inj. to lower Terry Ponds		0.04	
04-Jul-99						H2O inj. to lower Terry Ponds		0.07	
05-Jul-99						H2O inj. to lower Terry Ponds		0.06	
13-Jul-99						H2O inj. to lower Terry Ponds		0.03	

## SUNNYSIDE GOLD CORPORATION

## AMERICAN TUNNEL BULKHEAD WATER DATA

Date	Time	Pressure psi	pH s.u.	Conductivity umho	Temp C	Comments	Discharge Flow MGal	H2O Injected MGal	Total Lime lbs Ca(OH)2
15-Jul-99						H2O inj. to lower Terry Ponds		0.08	
15-Jul-99						H2O inj. to lower Terry Ponds		0.03	
21-Jul-99						H2O inj. to lower Terry Ponds		0.02	
23-Jul-99	09:30 AM	398	5.09	3000	12.6				
27-Jul-99						H2O inj. to lower Terry Ponds		0.03	
28-Jul-99						H2O inj. to lower Terry Ponds		0.02	
06-Aug-99						H2O inj. to lower Terry Ponds		0.02	
07-Aug-99						H2O inj. to lower Terry Ponds		0.02	
10-Aug-99						H2O inj. to lower Terry Ponds		0.02	
17-Aug-99						H2O inj. to lower Terry Ponds		0.04	
18-Aug-99						H2O inj. to lower Terry Ponds		0.04	
24-Aug-99	08:30 AM	409	4.85	3100	11.6				
25-Aug-99						H2O inj. to lower Terry Ponds		0.02	
01-Sep-99						H2O inj. to lower Terry Ponds		0.03	
02-Sep-99						H2O inj. to lower Terry Ponds		0.08	
03-Sep-99						H2O inj. to lower Terry Ponds		0.03	
10-Sep-99						H2O inj. to lower Terry Ponds		0.04	
11-Sep-99						H2O inj. to lower Terry Ponds		0.04	
16-Sep-99						H2O inj. to lower Terry Ponds		0.05	
17-Sep-99						H2O inj. to lower Terry Ponds		0.03	
23-Sep-99						H2O inj. to lower Terry Ponds		0.03	
24-Sep-99	09:30 AM	415	5.29	3000	11.7				
08-Oct-99						H2O inj. to lower Terry Ponds		0.04	
09-Oct-99						H2O inj. to lower Terry Ponds		0.03	
10-Oct-99						H2O inj. to lower Terry Ponds		0.03	
14-Oct-99						H2O inj. to lower Terry Ponds		0.05	
15-Oct-99						H2O inj. to lower Terry Ponds		0.027	
17-Oct-99						H2O inj. to lower Terry Ponds		0.014	
20-Oct-99						H2O inj. to lower Terry Ponds		0.014	
22-Oct-99	11:00 AM	419	4.84	3100	11.8			0.02	
29-Nov-99	09:30 AM	420	4.87	2600	13				
28-Dec-99	11:00 AM	420.5	4.88	2600	12.5				
28-Jan-00	10:00 AM	420.5	4.67	2400	11.6				
25-Feb-00	10:20 AM	420	4.88	2300	12.5				
10-Apr-00	09:00 AM	420	5.27	2300	17.1				
02-Jun-00						H2O inj. to lower Terry Ponds		0.072	
03-Jun-00						H2O inj. to lower Terry Ponds		0.123	
04-Jun-00						H2O inj. to lower Terry Ponds		0.044	
06-Jun-00						H2O inj. to lower Terry Ponds		0.072	
07-Jun-00						H2O inj. to lower Terry Ponds		0.062	
08-Jun-00						H2O inj. to lower Terry Ponds		0.123	
09-Jun-00						H2O inj. to lower Terry Ponds		0.049	
11-Jun-00						H2O inj. to lower Terry Ponds		0.08	
12-Jun-00						H2O inj. to lower Terry Ponds		0.046	
14-Jun-00						H2O inj. to lower Terry Ponds		0.075	
15-Jun-00						H2O inj. to lower Terry Ponds		0.077	
18-Jun-00						H2O inj. to lower Terry Ponds		0.077	
19-Jun-00						H2O inj. to lower Terry Ponds		0.123	
20-Jun-00						H2O inj. to lower Terry Ponds		0.054	
23-Jun-00						H2O inj. to lower Terry Ponds		0.075	
24-Jun-00						H2O inj. to lower Terry Ponds		0.072	
25-Jun-00						H2O inj. to lower Terry Ponds		0.046	
26-Jun-00						H2O inj. to lower Terry Ponds		0.059	
28-Jun-00						H2O inj. to lower Terry Ponds		0.069	
29-Jun-00						H2O inj. to lower Terry Ponds		0.083	
01-Jul-00						H2O inj. to lower Terry Ponds		0.063	
02-Jul-00						H2O inj. to lower Terry Ponds		0.085	
04-Jul-00						H2O inj. to lower Terry Ponds		0.057	
05-Jul-00						H2O inj. to lower Terry Ponds		0.087	
07-Jul-00						H2O inj. to lower Terry Ponds		0.039	
08-Jul-00						H2O inj. to lower Terry Ponds		0.072	
10-Jul-00						H2O inj. to lower Terry Ponds		0.039	
11-Jul-00						H2O inj. to lower Terry Ponds		0.123	
12-Jul-00						H2O inj. to lower Terry Ponds		0.051	
14-Jul-00						H2O inj. to lower Terry Ponds		0.018	
15-Jul-00						H2O inj. to lower Terry Ponds		0.105	
17-Jul-00						H2O inj. to lower Terry Ponds		0.067	
18-Jul-00						H2O inj. to lower Terry Ponds		0.075	
20-Jul-00						H2O inj. to lower Terry Ponds		0.046	
21-Jul-00						H2O inj. to lower Terry Ponds		0.123	
22-Jul-00						H2O inj. to lower Terry Ponds		0.04	
24-Jul-00						H2O inj. to lower Terry Ponds		0.072	
25-Jul-00						H2O inj. to lower Terry Ponds		0.059	

## SUNNYSIDE GOLD CORPORATION

## AMERICAN TUNNEL BULKHEAD WATER DATA

Date	Time	Pressure psi	pH s.u.	Conductivity umho	Temp C	Comments	Discharge Flow MGal	H2O Injected MGal	Total Lime Slurry Injected lbs Ca(OH)2
27-Jul-00						H2O inj. to lower Terry Ponds		0.051	
28-Jul-00						H2O inj. to lower Terry Ponds		0.069	
30-Jul-00						H2O inj. to lower Terry Ponds		0.048	
31-Jul-00						H2O inj. to lower Terry Ponds		0.102	
02-Aug-00						H2O inj. to lower Terry Ponds		0.021	
03-Aug-00						H2O inj. to lower Terry Ponds		0.082	
05-Aug-00						H2O inj. to lower Terry Ponds		0.08	
06-Aug-00						H2O inj. to lower Terry Ponds		0.093	
08-Aug-00						H2O inj. to lower Terry Ponds		0.041	
10-Aug-00						H2O inj. to lower Terry Ponds		0.039	
11-Aug-00						H2O inj. to lower Terry Ponds		0.075	
13-Aug-00						H2O inj. to lower Terry Ponds		0.041	
14-Aug-00						H2O inj. to lower Terry Ponds		0.102	
16-Aug-00						H2O inj. to lower Terry Ponds		0.031	
17-Aug-00						H2O inj. to lower Terry Ponds		0.103	
19-Aug-00						H2O inj. to lower Terry Ponds		0.051	
20-Aug-00						H2O inj. to lower Terry Ponds		0.103	
22-Aug-00						H2O inj. to lower Terry Ponds		0.072	
23-Aug-00						H2O inj. to lower Terry Ponds		0.085	
24-Aug-00						H2O inj. to lower Terry Ponds		0.015	
10-Oct-00	11:30 AM	440	5.25	2600	12.1				
04-Dec-00	01:15 PM	438	5.19	2500	12.3				
27-Mar-01	11:00 AM	438	5.34	2250	12.1				
14-May-01	08:45 AM	438	6.16	2200	11.8				
FINAL -MONITORING COMPLETED-MONITORING PIPES SET UP FOR PERMANENT CLOSURE									
TOTALS							42.99	43.759	59986806

SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
AMERICAN TUNNEL BULKHEAD #2

meter -> in units of mg/l unless noted

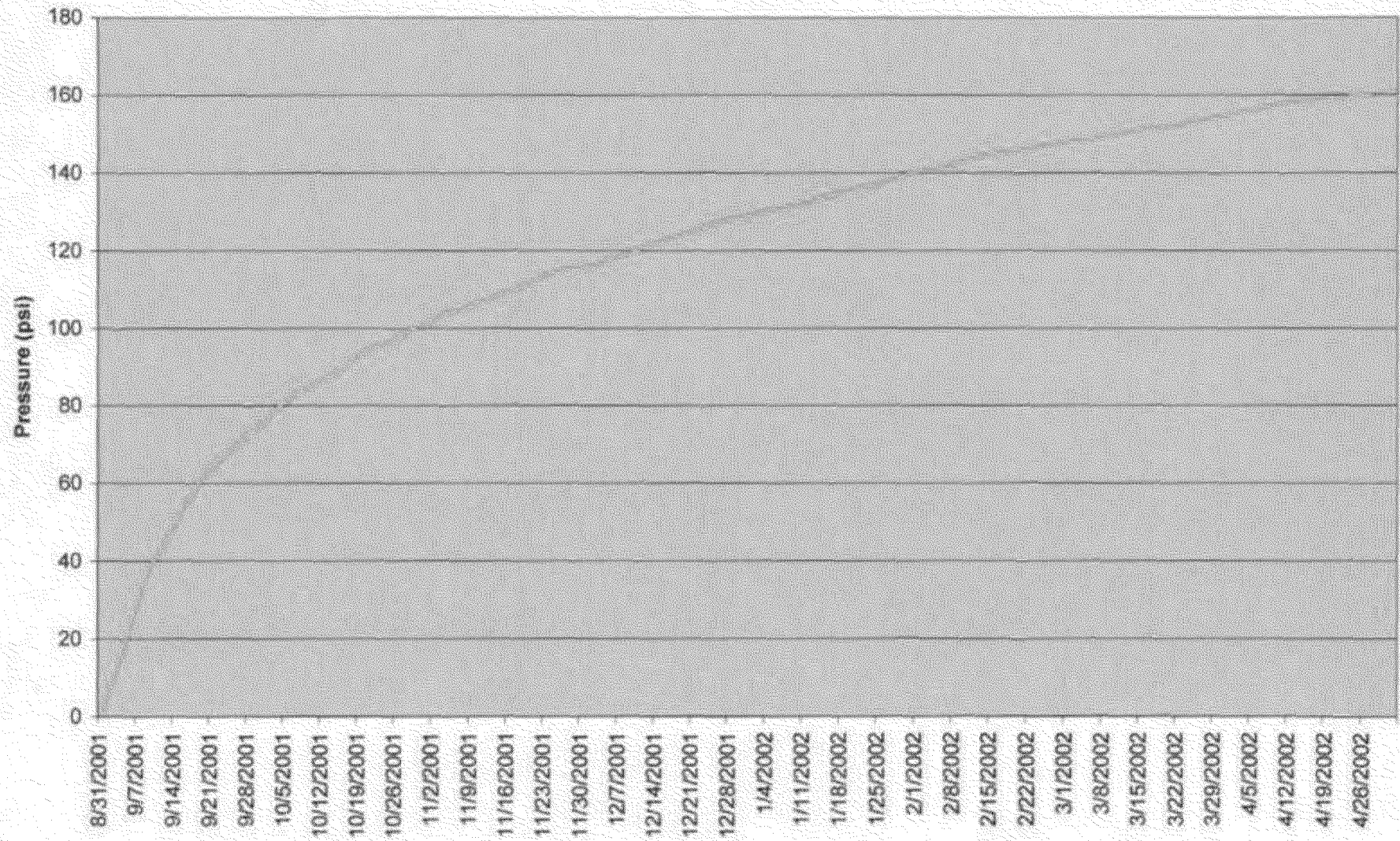
Station	Sample Date	Field pH s.u.	Field Cond umho	Field T C	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	TOTAL HARDNESS
AT-BH #2	04-Sep-01	2.62	2400	11.20								2830.00	
AT-BH #2	13-Sep-01	12.28	1800	11.80								1552.00	
AT-BH #2	24-Sep-01	12.67	8000	11.10								841.00	
AT-BH #2	29-Oct-01	12.16	7300	13.40								488.00	
AT-BH #2	27-Dec-01	12.78	6400	11.90								435.00	

## SUNNYSIDE GOLD CORPORATION

## AMERICAN TUNNEL BULKHEAD NO.2 MONITORING

Date	pH s.u.	Sulfate mg/l	Pressure psi	Comments
31-Aug-01			0	Close Valve
4-Sep-01	2.62	2830	16	
9-Sep-01			38	
11-Sep-01			42	
12-Sep-01			45	
13-Sep-01	12.26	1550	47	
14-Sep-01			50	
15-Sep-01			52	
16-Sep-01			55	
17-Sep-01			56	
19-Sep-01			61	
20-Sep-01			63	
24-Sep-01	12.67	841	68	
26-Sep-01			71	
1-Oct-01			76	
3-Oct-01			79	
5-Oct-01			81	
8-Oct-01			84	
11-Oct-01			86	
15-Oct-01			89	
17-Oct-01			91	
21-Oct-01			95	
24-Oct-01			96	
25-Oct-01			96	
28-Oct-01			99	
29-Oct-01	12.16	486	100	
1-Nov-01			101	
4-Nov-01			104	
8-Nov-01			105	
9-Nov-01			106	
15-Nov-01			109	
25-Nov-01			115	
30-Nov-01			116	
2-Dec-01			116	
5-Dec-01			118	
10-Dec-01			120	
14-Dec-01			122	
20-Dec-01			125	
27-Dec-01	12.78	435	128	
3-Jan-02			130	
10-Jan-02			132	
17-Jan-02			135	
24-Jan-02			137	
31-Jan-02			140	
7-Feb-02			142	
14-Feb-02			145	
21-Feb-02			146	
28-Feb-02			148	
7-Mar-02			149	
14-Mar-02			151	
21-Mar-02			152	
28-Mar-02			154	
4-Apr-02			156	
11-Apr-02			158	
18-Apr-02			159	
25-Apr-02			160	
2-May-02			161	
10-May-02			162	
16-May-02			163	

AMERICAN TUNNEL BULKHEAD BULKHEAD NO.2



A-22

SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
TERRY TUNNEL BULKHEAD

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>in units of mg/l unless noted

Station	Sampledate	FieldpH s.u.	FieldCond umho	Pressure psi	FieldT C	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	TOTAL HARDNESS
TT BULKHEAD	10-Oct-96	12.40	6000.00	8.00	10.00	0.001	0.01	0.06	0.07	<0.025	<0.01	<0.05	100.00	2290.00
TT BULKHEAD	16-Jul-97	9.98	1570.00	8.00	9.00	5.82	<.01	<.005	0.02	<.02	18.20	0.50	1227.00	1180.00
TT BULKHEAD	08-Jul-98	5.96	1800.00	8.00	7.70	0.48	<.01	<.005	62.20	<.02	321.00	<.05	1020.00	1060.00
TT BULKHEAD	28-Jun-99	6.99	2000.00	11.50	8.40	0.55	0.02	0.01	66.40	<.02	284.00	<.05	1760.00	1130.00
TT BULKHEAD	26-Jul-99	11.44	2200.00	bad gage	13.10									
TT BULKHEAD	28-Sep-99	12.08	2600.00	20.00	10.00									
TT BULKHEAD	01-Oct-99	12.03	2800.00	20.00	9.20									
TT BULKHEAD	20-Oct-99	11.95	1700.00	22.00	7.70									
TT BULKHEAD	02-Jun-00	6.86	2100.00	34.00	9.00	0.34	0.03	<.005	112.00	7.24	292.00	0.36	2100.00	1410.00
TT BULKHEAD	11-Aug-00	11.37	1360.00	39-40	17.70									

TERRY TUNNEL NEAR SURFACE BULKHEAD PIPE GROUTED on October 5, 2000



SUNNYSIDE GOLD CORP.

TAILINGS POND NO. 4

SUBSIDENCE MONUMENT SURVEY

DATE:	MON. NO.	NORTHING	EASTING	ELEVATION	REMARKS
MARCH 31, 1995	NO. 1	24,992.01	23,776.96	9,431.88	BURIED UNDER SNOWDRIFT
MARCH 31, 1995	NO. 2	25,085.64	24,618.52	9,431.95	
MARCH 31, 1995	NO. 3				
JUNE 29, 1995	NO. 1	24,991.37	23,777.35	9,431.21	
JUNE 29, 1995	NO. 2	25,085.04	24,618.98	9,431.29	
JUNE 29, 1995	NO. 3	25,731.12	25,160.80	9,433.10	
AUGUST 15, 1995	NO. 1	24,991.60	23,777.23	9,430.37	
AUGUST 15, 1995	NO. 2	25,085.10	24,618.95	9,431.60	
AUGUST 15, 1995	NO. 3	25,731.51	25,160.55	9,433.33	
OCTOBER 6, 1995	NO. 1	24,991.87	23,777.23	9,430.61	OBSCURED BY CONSTRUCTION.
OCTOBER 6, 1995	NO. 2	25,085.22	24,618.85	9,431.50	
OCTOBER 6, 1995	NO. 3	25,731.94	25,160.49	9,433.72	
MAY 7, 1996	NO. 1	24,991.67	23,776.97	9,430.20	
MAY 7, 1996	NO. 2	25,085.15	24,618.67	9,431.37	
MAY 7, 1996	NO. 3				
SEPTEMBER 13, 1996	NO. 1	24,991.32	23,777.33	9,430.71	
SEPTEMBER 13, 1996	NO. 2	25,084.88	24,618.94	9,431.92	
SEPTEMBER 13, 1996	NO. 3	25,730.98	25,160.60	9,433.95	
OCTOBER 27, 1996	NO. 1	24,991.53	23,777.35	9,430.29	PT. ICED IN_ CONT. PT. SNOWED IN
NOVEMBER 1, 1996	NO. 2	25,085.13	24,618.73	9,432.16	
NOVEMBER 1, 1996	NO. 3	25,731.29	25,160.50	9,433.72	
MARCH 19, 1997	NO. 1	24991.55	23777.19	9430.46	
MARCH 19, 1997	NO. 2	ND	ND	ND	
MARCH 19, 1997	NO. 3	25731.06	25160.65	9433.07	
JUNE 18, 1997	NO. 1	24,991.64	23,777.27	9,430.58	
JUNE 18, 1997	NO. 2	25,085.00	24,618.94	9,431.98	
JUNE 18, 1997	NO. 3	25,731.15	25160.64	9,433.84	
SEPT. 2, 1997	NO. 1	24,991.51	23,777.35	9,430.23	
SEPT. 2, 1997	NO. 2	25,084.87	24,619.05	9,432.37	
SEPT. 2, 1997	NO. 3	25,731.42	25,160.74	9,433.14	

## SUNNYSIDE GOLD CORP.

## TAILINGS POND NO. 4

## SUBSIDENCE MONUMENT SURVEY

DATE	MON. NO.	NORTHING	EASTING	ELEVATION	REMARKS
OCT. 28,1997	NO. 1	24,991.43	23,777.31	9,431.07	
OCT. 28,1997	NO. 2	25,085.06	24,618.84	9,432.32	
OCT. 28,1997	NO. 3	25,731.30	25,160.54	9,433.80	
JUNE 25,1998	NO. 1	24,991.72	23,777.22	9,431.03	
JUNE 25,1998	NO. 2	25,085.22	24,618.80	9,432.26	
JUNE 25,1998	NO. 3	25,731.39	25,160.51	9,433.91	
AUG. 6,1998	NO. 1	24,991.77	23,777.20	9,431.14	
AUG. 6,1998	NO. 2	25,085.22	24,618.79	9,432.13	
AUG. 6,1998	NO. 3	25,731.30	25,160.48	9,433.90	
OCT. 28,1998	NO. 1	24,991.51	23,777.25	9,431.59	
OCT. 28,1998	NO. 2	25,085.26	24,618.75	9,432.02	
OCT. 28,1998	NO. 3	25,731.28	25,160.5	9,433.94	
MAR. 25,1999	NO. 1	24,991.51	23,777.25	9,431.26	
MAR. 25,1999	NO. 2	25,085.02	24,618.90	9,432.32	
MAR. 25,1999	NO. 3	25,731.32	25,160.55	9,433.87	
MAR. 25,1999	NO. 1	24,991.62	23,777.21	9,430.89	
MAY. 28,1999	NO. 2	25,085.10	24,618.85	9,432.35	
MAY. 28,1999	NO. 3	25,731.29	25,160.58	9,433.88	
AUG. 18,1999	NO. 1	24,991.58	23,777.24	9,430.77	
AUG. 18,1999	NO. 2	25,085.20	24,618.81	9,432.25	
AUG. 18,1999	NO. 3	25,731.50	25,160.50	9,434.06	
NOV. 11,1999	NO. 1	24,991.58	23,777.22	9,430.94	
NOV. 11,1999	NO. 2	25,085.52	24,618.59	9,432.12	
NOV. 11,1999	NO. 3	25,731.99	25,160.29	9,434.03	
JUNE 21,2000	NO. 1	24,991.51	23,777.32	9,431.44	
JUNE 21,2000	NO. 2	25,084.72	24,619.11	9,432.22	
JUNE 21,2000	NO. 3	25,731.25	25,160.65	9,434.10	
JULY 31,2000	NO. 1	24,991.88	23,777.23	9,430.94	
JULY 31,2000	NO. 2	25,085.39	24,618.70	9,432.05	
JULY 31,2000	NO. 3	25,732.33	25,160.14	9,433.73	
OCT. 28,2000	NO. 1	24,991.50	23,777.24	9,431.66	
OCT. 28,2000	NO. 2	25,085.05	24,618.83	9,432.30	
OCT. 28,2000	NO. 3	25,731.32	25,160.62	9,434.11	
MAY. 24,2001	NO. 1	24,991.50	23,777.27	9,431.35	
MAY. 24,2001	NO. 2	25,085.17	24,618.77	9,432.22	
MAY. 24,2001	NO. 3	25,731.52	25,161.01	9,434.38	
JULY 12,2001	NO. 1	24,991.43	23,777.33	9,430.88	
JULY 12,2001	NO. 2	25,084.59	24,619.17	9,432.80	
JULY 12,2001	NO. 3	25,730.84	25,160.74	9,434.67	
SEPT. 24,2001	NO. 1	24,991.72	23,777.19	9430.64	
SEPT. 24,2001	NO. 2	25,085.16	24,618.77	9432.01	
SEPT. 24,2001	NO. 3	25,731.48	25,160.46	9433.62	
NOV. 08,2001	NO. 1	24,991.87	23,777.07	9430.87	
NOV. 08,2001	NO. 2	25,085.35	24,618.62	9432	
NOV. 08,2001	NO. 3	25,731.55	25,160.41	9433.72	
APRIL 23,2002	NO. 1	24,991.07	23,777.47	9430.8	
APRIL 23,2002	NO. 2	25,085.10	24,618.80	9432.93	
APRIL 23,2002	NO. 3	25,731.15	25,160.40	9433.77	

## SUNNYSIDE GOLD CORP.

## TAILINGS POND NO. 4

## WATER WELLS

DATE:	RISER EL	DIST. TO GROUND	GROUND EL	DIST. TO WATER	DIST. TO BOTTOM	WATER EL	BOTTOM EL	WATER DEPTH	WELL NO.
05/03/96	9,416.0	1.60	9,414.40	42.00	56.00	9,374.00	9,360.00	14.00	13_86
05/03/96	9,376.0	0.20	9,375.80	27.50	28.20	9,348.50	9,347.80	0.70	21
05/03/96	9,374.0	3.20	9,370.80	26.20	29.40	9,347.80	9,344.60	3.20	21 A
05/03/96	9,365.0	4.60	9,360.40	17.60	18.10	9,347.40	9,346.90	0.50	18
09/13/96	9,416.0	1.60	9,414.40	47.80	56.10	9,368.20	9,359.90	8.30	13_86
09/13/96	9,376.0	0.20	9,375.80	28.20	28.20	DRY	9,347.80	0.00	21.00
09/13/96	9,374.0	3.20	9,370.80	28.30	29.50	9,345.70	9,344.50	1.20	21 A
09/13/96	9,365.0	4.60	9,360.40	18.00	18.00	DRY	9,347.00	0.00	18.00
11/01/96	9,416.0	1.60	9,414.40	45.40	56.00	9,370.60	9,360.00	10.60	13_86
11/01/96	9,376.0	0.20	9,375.80	28.40	28.40	DRY	9,347.60	0.00	21.00
11/01/96	9,374.0	3.20	9,370.80	28.00	29.60	9,346.00	9,344.60	1.60	21 A
11/01/96	9,365.0	4.60	9,360.40	18.40	18.40	DRY	9,346.60	0.00	18.00
03/20/97	9,416.0	1.60	9,414.40	48.40	56.00	9,367.60	9,360.00	7.60	13_86
03/20/97	9,376.0	0.20	9,375.80	27.30	28.30	9,348.70	9,347.70	1.00	21.00
03/20/97	9,374.0	3.20	9,370.80	28.00	29.60	9,346.00	9,344.40	1.60	21 A
03/20/97	9,365.0	4.60	9,360.40	18.10	18.40	9,346.90	9,346.60	0.30	18.00
06/18/97	9,416.0	1.60	9,414.40	45.40	56.00	9,370.60	9,360.00	10.60	13_86
06/18/97	9,376.0	0.20	9,375.80	28.40	28.40	DRY	9,347.60	0.00	21.00
06/18/97	9,374.0	3.20	9,370.80	28.00	29.60	9,346.00	9,344.40	1.60	21 A
06/18/97	9,365.0	4.60	9,360.40	18.40	18.40	DRY	9,346.60	0.00	18.00
09/02/97	9,416.0	1.60	9,414.40	46.60	56.10	9,369.40	9,359.90	9.50	13_86
09/02/97	9,376.0	0.20	9,375.80	28.50	28.50	DRY	9,347.50	0.00	21.00
09/02/97	9,374.0	3.20	9,370.80	27.60	29.60	9,346.40	9,344.40	2.00	21 A
09/02/97	9,365.0	4.60	9,360.40	18.40	18.40	DRY	9,346.60	0.00	18.00
10/28/97	9,416.0	1.60	9,414.40	45.20	56.20	9,370.80	9,359.80	11.00	13_86
10/28/97	9,376.0	0.20	9,375.80	28.50	28.50	DRY	9,347.50	0.00	21.00
10/28/97	9,374.0	3.20	9,370.80	27.30	29.60	9,346.70	9,344.40	2.30	21 A
10/28/97	9,365.0	4.60	9,360.40	18.20	18.40	9,346.80	9,346.60	0.20	18.00
05/13/98	9,416.0	1.60	9,414.40	42.40	56.1	9,373.6	9,359.90	13.70	13_86
05/13/98	9,376.0	0.20	9,375.80	27.70	28.5	9,348.8	9,347.50	1.30	21.00
05/13/98	9,374.0	3.20	9,370.80	25.90	29.6	9,348.1	9,344.4	3.70	21 A
05/13/98	9,365.0	4.60	9,360.40	17.40	18.3	9,347.6	9,346.70	0.90	18.00
06/25/98	9,416.0	1.60	9,414.40	41.50	56.10	9,374.50	9,359.90	14.60	13_86
06/25/98	9,376.0	0.20	9,375.80	27.40	28.50	9,348.60	9,347.50	1.10	21.00
06/25/98	9,374.0	3.20	9,370.80	26.40	29.60	9,347.60	9,344.40	3.20	21 A
06/25/98	9,365.0	4.60	9,360.40	17.50	18.40	9,347.50	9,346.60	0.90	18.00
08/07/98	9,416.0	1.60	9,414.40	46.10	56.00	9,369.90	9,360.00	9.90	13_86
08/07/98	9,376.0	0.20	9,375.80	28.30	28.40	9,347.70	9,347.60	0.10	21.00
08/07/98	9,374.0	3.20	9,370.80	27.40	29.60	9,346.60	9,344.40	2.20	21 A
08/07/98	9,365.0	4.60	9,360.40	18.20	18.40	9,346.80	9,346.60	0.20	18.00
10/28/98	9,416.0	1.60	9,414.40	46	56.1	9,370	9,359.9	10.1	13_86
10/28/98	9,376.0	0.20	9,375.80	28.5	28.5	DRY	9,347.5	0	21.00
10/28/98	9,374.0	3.20	9,370.80	28.1	29.6	9,345.9	9,355.5	1.4	21 A
10/28/98	9,365.0	4.60	9,360.40	18.4	18.4	DRY	9,346.6	0	18.00

## SUNNYSIDE GOLD CORP.

## TAILINGS POND NO. 4

## WATER WELLS

DATE	RISER EL	DIST. TO GROUND	GROUND EL	DIST. TO WATER	DIST. TO BOTTOM	WATER EL	BOTTOM EL	WATER DEPTH	WELL NO.
03/25/99	9,413.79	1.60	9,412.19	48.3	56.1	9,385.49	9,357.69	7.8	13__86
03/25/99	9,374.22	0.20	9,374.02	28.5	28.5	9,345.72	9,345.72	0	21.00
03/25/99	9,373.22	3.20	9,370.02	28.3	29.6	9,344.92	9,343.62	1.3	21 A
03/25/99	9,363.27	4.60	9,358.67	17.4	18.4	9,345.87	9,344.87	1	18.00
05/28/99	9,413.79	1.60	9,412.19	40.2	56.1	9,373.59	9,357.69	15.9	13__86
05/28/99	9,374.22	0.20	9,374.02	28.7	28.5	9,347.52	9,345.72	1.8	21.00
05/28/99	9,373.22	3.20	9,370.02	29.6	29.6	DRY	9,343.62	0	21 A
05/28/99	9,363.27	4.60	9,358.67	17.1	18.4	9,346.17	9,344.87	1.3	18.00
08/18/99	9,413.79	1.60	9,412.19	41.5	56.1	9,372.29	9,357.69	14.6	13__86
08/18/99	9,374.22	0.20	9,374.02	28.8	28.4	9,347.42	9,345.82	1.6	21.00
08/18/99	9,373.22	3.20	9,370.02	26.1	29.6	9,347.12	9,343.62	3.5	21 A
08/18/99	9,363.27	4.60	9,358.67	18	18.2	9,345.27	9,345.07	0.2	18.00
11/04/99	9,413.79	1.60	9,412.19	44.8	56.1	9,368.99	9,357.69	11.3	13__86
11/04/99	9,374.22	0.20	9,374.02	28.4	28.5	9,345.62	9,345.72	0.1	21.00
11/04/99	9,373.22	3.20	9,370.02	28	29.6	9,345.22	9,343.62	2.6	21 A
11/04/99	9,363.27	4.60	9,358.67	18.4	18.4	9,344.87	9,344.87	0	18.00
06/21/00	9,413.79	1.60	9,412.19	40	56	9,373.79	9,357.78	16	13__86
06/21/00	9,374.22	0.20	9,374.02	27	28.5	9,347.72	9,345.72	1.5	21.00
06/21/00	9,373.22	3.20	9,370.02	26.2	29.6	9,347.02	9,343.62	3.4	21 A
06/21/00	9,363.27	4.60	9,358.67	17.5	18.4	9,345.77	9,344.87	0.9	18.00
07/31/00	9,413.79	1.60	9,412.19	43.3	56.1	9,370.49	9,357.69	12.8	13__86
07/31/00	9,374.22	0.20	9,374.02	27	28.5	9,347.22	9,345.72	1.5	21.00
07/31/00	9,373.22	3.20	9,370.02	27.3	29.6	9,345.92	9,343.62	2.3	21 A
07/31/00	9,363.27	4.60	9,358.67	18.4	18.4	Dry	9,344.87	0	18.00
10/17/00	9,413.79	1.60	9,412.19	45	56.1	9,368.79	9,357.69	11.1	13__86
10/17/00	9,374.22	0.20	9,374.02	DRY	28.5	DRY	9,345.72	0	21.00
10/17/00	9,373.22	3.20	9,370.02	28.6	29.6	9,344.62	9,343.62	1	21 A
10/17/00	9,363.27	4.60	9,358.67	DRY	18.3	DRY	9,344.97	0	18.00
05/30/01	9,413.79	1.60	9,412.19	40.2	56.8	9,373.59	9,357.19	16.4	13__86
05/30/01	9,374.22	0.20	9,374.02	27.2	29.4	9,345.62	9,344.82	.8	21.00
05/30/01	9,373.22	3.20	9,370.02	28.8	30.8	9,344.62	9,342.62	1.8	21 A
05/30/01	9,363.27	4.60	9,358.67	18.5	19.4	9,344.77	9,343.87	0.9	18.00
07/12/01	9,413.79	1.60	9,412.19	44.7	55.8	9,369.09	9,358.19	10.9	13__86
07/12/01	9,374.22	0.20	9,374.02	26.5	28.4	9,347.72	9,345.82	1.9	21.00
07/12/01	9,373.22	3.20	9,370.02	26.8	29.6	9,348.42	9,343.62	2.8	21 A
07/12/01	9,363.27	4.60	9,358.67	18.2	18.4	9,345.07	9,344.87	0.2	18.00
09/24/01	9,413.79	1.60	9,412.19	44.4	57.8	9,369.39	9,355.99	13.4	13__86
09/24/01	9,374.22	0.20	9,374.02	28.2	28.5	9,346.02	9,345.72	0.3	21.00
09/24/01	9,373.22	3.20	9,370.02	28.1	29.6	9,345.12	9,343.62	1.5	21 A
09/24/01	9,363.27	4.60	9,358.67	18.4	18.4	9,344.87	9,344.87	0	18.00
10/30/01	9,413.79	1.60	9,412.19	46.5	57.8	9,367.29	9,355.99	13.3	13__86
10/30/01	9,374.22	0.20	9,374.02	28.3	28.45	9,345.92	9,345.77	0.15	21.00
10/30/01	9,373.22	3.20	9,370.02	28.6	29.65	9,344.62	9,343.57	1.05	21 A
10/30/01	9,363.27	4.60	9,358.67	18.4	18.4	9,344.87	9,344.87	0	18.00
04/23/02	7.00	1.60	9,412.19	47.3	55.86	9,366.49	9,357.93	8.56	13__86
04/23/02	9,374.22	0.20	9,374.02	28.4	28.4	9,345.82	9,345.82	0	21.00
04/23/02	9,373.22	3.20	9,370.02	29.4	29.6	9,343.82	9,343.62	0.2	21 A
04/23/02	9,363.27	4.60	9,358.67	18.5	18.5	9,344.77	9,344.77	0	18.00

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JUN 07 2002

Division of Minerals and Geology

ANNUAL UPDATE

(2001 MLR Report Year)

SUNNYSIDE MINE BULKHEADS

Area Inventory of Seeps, Springs and Flowing Adits

Submitted By: Sunnyside Gold Corporation  
MLR Permit M-1977-378

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## ANNUAL UPDATE

(2001 MLR Report Year)

### SUNNYSIDE MINE BULKHEADS

#### Area Inventory of Seeps, Springs and Flowing Adits

##### **Background:**

Sunnyside Gold Corporation (SGC) submitted a Technical Revision to its MLR permit (TR-14) to provide technical details for tunnel bulkheads designed to stop drainage to surface through the tunnels from the Sunnyside Mine. The purpose being to eliminate flows requiring water treatment. Final reclamation of the Sunnyside Mine property, according to the reclamation plan in the permit, would then be possible.

As a condition of approval for TR-14, Sunnyside made four commitments (Appendix B-1) to the Division of Minerals and Geology (DMG) and the Mined Land Reclamation Board. This report section is submitted to satisfy annual data and narrative reporting requirements contained in these commitments.

##### **TR-14 Commitment Status:**

SGC has satisfied all of the actions required by the MLR TR-14 Commitments #1 - #4 other than ongoing monitoring and reporting which is current.

##### **Consent Decree Status:**

In 1996, SGC entered into and began implementation of a voluntary Consent Decree agreement with CDPHE to satisfy MLR TR-14 Commitment #1. Successful termination of the Consent Decree provisions will satisfy CDPHE concerns with closure of the Sunnyside Mine using bulkhead seals and allow final reclamation of the property. The provisions in the Consent Decree agreement include stream monitoring, implementation of approved work plans for listed Mine Remediation Projects, and submittal of monthly/quarterly progress reports.

The status of each of these provisions at the end of the 2001-reporting year is as follows:

- Reference point (stream) monitoring

Included in the Appendix (B-16) is a graph of dissolved zinc concentrations at the Consent Decree reference point (A-72) from January 1989 through March 2001. This period includes the reference data set (January 1989 through June 1996) and the Consent Decree monitoring data (June 1996 through March 2001). Although all available data was used for the reference data set, the gaps in the reference data set are apparent in this graph.

Included in the Appendix (B-17) is the Consent Decree graph that compares dissolved zinc at the reference point (adjusted for flow classes) to pre-project quality. This graph is the basis for determining if water quality at the reference point has changed. It is difficult to make any definitive statements concerning the levels of dissolved zinc observed at the reference point due to the complex interplay of hydrology, geology, etc. but it appears that remediation projects have improved water quality during summer months. Reference point monitoring results for the 2001 report year are overall, the best since Sunnyside began monitoring and implementing projects in 1996.

Sunnyside believes that the reference data set may not be representative of low flow pre-bulkhead conditions at A-72. This belief is based on the monitoring results since bulkhead construction. Statistically, some of the low flow samples should be lower than the mean of the reference data since Sunnyside has done very little that would impact low flow water quality and has continued to treat water at the American Tunnel including Cement Creek. This has not been the case therefore leading Sunnyside to the conclusion that at least a portion of the reference data set requires evaluation to determine if this result can be explained.

A 12-month running average of the above comparison (B-18) is included to further show the water quality trend.

Included in the Appendix (B-19) is a graph of dissolved zinc in the mainstem streams (Animas, Mineral and Cement) combined with the resultant levels of dissolved zinc at the reference point A-72. While the data is still limited, it covers some of the gaps in the A-72 data and shows the relative effect of the mainstem quality on water quality at A-72.



- Remediation Projects

SGC completed the Consent Decree A List of remediation projects within the two-year time period allowed for in the agreement. This was accomplished by October 1997.

SGC added three projects to the Consent Decree B List (optional project list) during the 1998-report year. These three projects were water diversion projects in the vicinity of the Mayflower Mill complex and are named: Mayflower Mill – Upland Hydrological Control project; Tailings Pond No. 4 Upland Groundwater Diversion Project; and Tailings Pond No. 4 Surface Drainage Modification Project. SGC believed that implementation of the work plans for these projects had more potential to benefit stream quality than the projects on the original B List. SGC started implementation of the work plan for the Mayflower Facility – Upland Hydrological Control project during the 1998-report year and one drainage diversion was completed and operational by the end of the report year. By the end of the 1999 report year, all three projects had been completed. It appears that these diversions have had a positive impact on water quality in the Animas River.

- Cement Creek Treatment

Diversion and treatment of Cement Creek was active through all of the 2001-report year and has been since June of 1996 except for a short period in 1999 as discussed later in this section of the report. The entire stream is diverted and treated during low flow conditions, usually from September through April. During the rest of the year, the quantity diverted and treated is regulated.

This treatment is a temporary measure to offset or balance any short-term impacts that may have resulted from implementation of the A List remediation projects. This purpose, based on stream monitoring, had expired and was discontinued for part of the 1999 report year. When determined that zinc levels in Cement Creek above the American Tunnel treatment plant (CC-1) were elevated, compared to past monitoring results, and it was discovered that monitoring sites were flowing at above normal quantities - most notably the Mogul Level #1 adit (M-1) - during the fall seep, spring and flowing adit monitoring session, treatment was restarted. This was a temporary measure taken to minimize any impacts on A-72 from the increased flows while the cause was determined.

- **Reporting**

SGC is current on all Consent Decree monitoring and reporting requirements.

**Mine Pool:**

The American Tunnel bulkhead valve was closed in September 1996 and the Terry Tunnel bulkhead valve was closed in July 1996. Since September 1996 the mine pool was allowed to rise towards physical equilibrium. Equilibrium was determined to have occurred on November 1, 1999. Sunnyside permanently closed the Terry Tunnel bulkhead valves and constructed a near surface Terry Tunnel bulkhead in 1999. Access to the mine pool, from the Terry Tunnel, became impossible by permanent closure of the Terry Tunnel. Permanent closure of the American Tunnel #1 Bulkhead occurred in May, 2001. The final pool elevation was determined to be 11,661 feet MSL. With permanent closure of the American Tunnel #1 Bulkhead valves, the main mine pool became inaccessible.

A second bulkhead in the American Tunnel was completed, American Tunnel Bulkhead #2, on August 31, 2001 with valve closure. Monitoring of the pressure and water quality behind the bulkhead until equilibrium was a MLR permit approval stipulation. Equilibrium had not been reached by the end of the report year. The monitoring data and pressure graph are included in Appendix B.

**Study Update:**

Attached in Appendix B is the data collected through March 2002 for the seep, spring, and flowing adit inventory and monitoring required by TR-14.

During the report year no new monitoring sites were added and no sites were deleted. Sunnyside visited all identified sites twice during the report year, collected field data, and sampled for lab analysis more than the 20 percent of the sites the monitoring program (attached in Appendix B) requires. Data summary sheets are included in Appendix B.

#### **Data Analysis:**

Seep, spring and flowing adit samples were taken in early summer, when the sites became accessible and snow-melt would not bias the samples, and fall before snowfall was expected to shut off site access. The sampling efforts were spread over approximately a month for each round. Early July was an approximate mid-point of the summer sampling round and late-September for the fall sampling round. Mine pool monitoring ended with final closure of the American Tunnel #1 Bulkhead valves on May 14, 2001. The mine pool elevation was 11,661 feet MSL which was considered physical equilibrium. This level is expected to fluctuate within a zone dependent on seasonal inflows.

Included in Appendix B (B-20) is a table of the monitoring sites sorted by elevation and monitoring data for these sites ordered by drainage. Since the mine pool could not have affected these sites through 1996, a data analysis (i.e. sample count, average, standard deviation, maximum value, and minimum value) is provided for pre-1997 data.

Following this analysis is data collected from 1997-2001 for comparison. SGC observed flow quantity differences from the pre-1997 data throughout the Cement Creek drainage during the spring sampling event. This is attributable to early sampling compared to other years. The fall sampling event was close to previous years. Of particular note were the quantity and quality variances from the background data noted at the Mogul Level #1 adit (M-1). This variance was reported to DMG by a letter report dated October 13, 1999.

Potential causes of the increased flows from the Mogul could be;

- 1) above normal levels of precipitation.
- 2) *natural flow regimes being restored as the mine pool rises and groundwater flows travel around the Sunnyside Mine workings instead of draining through the American and Terry Tunnels.*
- 3) because a fracture connection exists between the Mogul workings and the Sunnyside Mine workings.
- 4) a result of internal changes in the Mogul Mine unrelated to Sunnyside's activities.

Because of access conditions, the definite reason for the increased flows has not been determined but Sunnyside believes that (1) and (3) can be eliminated due to the multiple year existence of the flow, the flow variability and water quality monitoring results.

The Gold King #7 Level adit (G.K.) also appears to have increased in flow although some of the increase occurred before the mine pool should have had any influence on drainage patterns in the vicinity of the Gold King. This increase is thought to be a result of more flow being captured for monitoring after improvements were made at the site by the operator ( ie lined ditch). Water quality results support this explanation. Later increases picked up in the 2000 monitoring sessions appear to have a dilution effect and could be the result of the groundwater table being restored by the bulkhead or internal changes in the Gold King Mine.

Below is a table showing pre-bulkhead average concentrations and calculated loading using flows obtained after site improvements were made and 2001 concentrations and loading. This table shows that even with increased flows loading from the Gold King #7 Level adit has remained constant.

<u>Flow (gpm)</u>		<u>dAl</u>	<u>dCd</u>	<u>dCu</u>	<u>dFe</u>	<u>dPb</u>	<u>dMn</u>	<u>dZn</u>
Spring (Pre-bulkhead Concentration)								
36	in mg/l	360	0.605	67.7	1462	0.166	87	216
36	in lb/day	155	0.26	29	631	0.07	38	93
Fall (Pre-bulkhead Concentration)								
4	in mg/l	360	0.605	67.7	1462	0.166	87	216
4	in lb/day	17	0.029	3.2	70	0.01	4	10
Spring 2001 sample:								
38	in mg/l	78	0.21	13.2	291	0.04	28	46
38	in lb/day	36	0.10	6.0	133	0.02	13	21
Fall 2001 sample								
29	in mg/l	55	0.15	13.1	207	0.08	39	41
29	in lb/day	19	0.05	4.6	72	0.03	14	14

Sunnyside will continue to monitor these sites through the 2002 report year.

APPENDIX B

#### COMMITMENT #1

THE OPERATOR UNDERSTANDS THAT ANY NEW SEEPS OR ANY CHANGES IN WATER QUALITY OR QUANTITY ISSUING FROM KNOWN SEEPS IN THE AREA OF THE SUNNYSIDE MINE, FOLLOWING THE INSTALLATION OF BULKHEAD SEALS IN THE UNDERGROUND WORKINGS, ARE REGARDED BY THE WATER QUALITY CONTROL DIVISION TO BE UNPERMITTED POINT SOURCE DISCHARGES. THE DIVISION OF MINERALS AND GEOLOGY UNDERSTANDS THAT THE OPERATOR DOES NOT AGREE WITH THIS INTERPRETATION BY THE WATER QUALITY CONTROL DIVISION. THE OPERATOR FURTHER UNDERSTANDS THAT ANY MEASURABLE CHANGE IN WATER QUALITY OR QUANTITY IN THE SEEPS OR THE DRAINAGES SURROUNDING THE MINE, i.e. CHANGES REPORTED BY THE OPERATOR IN CONJUNCTION WITH COMPLIANCE WITH THE APPROVED HYDROLOGIC MONITORING PLAN OR CHANGES REVEALED THRU DIVISION INSPECTIONS OF THE MINE, WILL BE CONSIDERED BY THE DIVISION AS POSSIBLE EVIDENCE OF THE DEVELOPMENT OF UNPERMITTED POINT SOURCE DISCHARGES RELATED TO THE INSTALLATION OF THE BULKHEADS. THEREFORE, SIGNIFICANT CHANGES IN WATER QUALITY OR QUANTITY IN THE SEEPS OR IN THE DRAINAGES SURROUNDING THE MINE, FOLLOWING THE INSTALLATION OF BULKHEAD SEALS IN THE UNDERGROUND WORKINGS, WILL BE CITED AS A POTENTIAL COMPLIANCE PROBLEM BY THE DIVISION AND THE OPERATOR WILL BE REQUIRED BY THE DIVISION TO CONTACT THE WATER QUALITY CONTROL DIVISION TO DETERMINE IF A NEW DISCHARGE PERMIT FOR THE MINE OR A MODIFICATION OF THE EXISTING DISCHARGE PERMIT FOR THE MINE IS NECESSARY. RESPONSIBILITY FOR ENFORCEMENT OF POTENTIAL DISCHARGE PERMIT COMPLIANCE PROBLEMS WILL REST WITH THE WATER QUALITY CONTROL DIVISION.

#### COMMITMENT #2

THE OPERATOR WILL CREATE A SEPARATE SECTION IN EACH ANNUAL RECLAMATION REPORT THAT WILL INCLUDE DATA AND NARRATIVE TO DISSEMINATE INFORMATION FROM THE MONITORING PROGRAM REQUIRED BY THE TERMS OF TR-14. THE OPERATOR WILL NOTIFY THE DIVISION IMMEDIATELY IN THE CASE THAT TRACER IS DETECTED AT ANY POINT BY THE MONITORING PROGRAM, OR IF THERE IS INCREASED DISCHARGE TO ANY SURROUNDING DRAINAGE THAT MAY BE RELATED TO FLOODING OF THE SUNNYSIDE WORKINGS.

#### COMMITMENT #3

THE OPERATOR WILL PROVIDE THE DIVISION WITH A DETAILED SUMMARY OF THE COSTS THAT WOULD BE INCURRED BY THE STATE TO INSTALL REPLACEMENT BULKHEADS IN THE EVENT OF PERMIT REVOCATION AND BOND FORFEITURE. A BOND IN AN AMOUNT APPROVED BY THE DIVISION, MUST BE IN PLACE FOR BULKHEAD REPLACEMENT PRIOR TO CLOSING THE AMERICAN TUNNEL VALVE.

#### COMMITMENT #4

THE OPERATOR WILL PROVIDE THE DIVISION WITH A PLAN TO CHARACTERIZE CONJUNCTIVE FLOW WITHIN THE CEMENT CREEK DRAINAGE IN THE VICINITY OF THE SUNNYSIDE MINE WITHIN 30 DAYS OF REVISION APPROVAL.

RECEIVED

JUN 07 2002

SUNNYSIDE GOLD CORPORATION

MLR PERMIT FILE NO. M-77-378, TR-14 Division of Minerals and Geology

SEEP INVENTORY AND MONITORING PROGRAM

UPDATED 6/1/96

A. Purpose

Sunnyside Gold Corporation (SGC) has submitted a Mined Land Reclamation (MLR) Permit Technical Revision (TR-14) to the Division of Minerals and Geology (DMG). TR-14 provides technical details to implement the conceptual plan contained in the permit to eliminate Sunnyside Mine drainage from the Terry and American Tunnels. This will be accomplished by installation of concrete bulkheads in the tunnels.

SGC, through the DMG TR approval process, was required to address a list of concerns prepared by DMG (April 15, 1993). Item 2 of this list of concerns required;

- 1) an inventory of the vicinity of the workings to be flooded to establish background data on seeps, springs and flowing adits for conditions prior to valve closure and monitor for changes after valve closure. Modifications to DMG's initial (April 15, 1993) general study outline requirements have been made through subsequent communication and agreement between SGC and DMG.
- 2) that SGC report on the feasibility of using groundwater tracers.  
SGC subsequently performed the feasibility study and committed to inoculating the Sunnyside Mine with bromide (tracer) and monitoring for bromide at identified monitoring sites. SGC has since been released from this commitment due to the potential of introducing toxicity to State waters. Stream monitoring will continue to detect abnormal flow or metal levels.

B. Scope

I. Seep, Springs and Adit Flow Inventory

1. Study Areas

- a) Cement Creek Drainage
  - Bounded by Cement Creek on the west
  - Bounded by 12,200 foot elevation contour on the north and east sides
  - Bounded by the confluence with the South Fork of Cement Creek on the south (approximately 10,500 foot elevation)

1. Study Areas - Cont

- b) South Fork of Cement Creek Drainage
  - Bounded by the South Fork of Cement Creek on the west
  - Bounded by the confluence with Cement Creek on the north (approximately 10,500 foot elevation)
  - Bounded by the 12,200 foot elevation contour on the east
- c) Eureka Gulch
  - Bounded by the South Fork of the Animas River from the 12,200 foot elevation contour to the confluence with Eureka Creek on the southeast side
  - Bounded by Eureka Creek from the confluence with the South Fork of the Animas River to the confluence with Parsons Creek on the east side
  - Bounded by Parsons Creek from the confluence with Eureka Creek to the 12,200 foot contour elevation on the east side
  - Bounded by the 12,200 foot elevation contour on the west and north sides
- d) California Gulch
  - Bounded by the West Fork of the Animas River from the confluence with the Placer Gulch Creek to the 12,200 foot elevation contour on the north and west sides
  - Bounded by the 12,200 foot elevation contour from the intersection with Placer Gulch Creek and into California Gulch on the east side
- e) Placer Gulch
  - Bounded by Placer Gulch Creek from the confluence with the South Fork of the Animas River to the 12,200 foot elevation contour on the east side
  - Bounded by the 12,200 foot elevation contour from the intersection with Placer Gulch Creek and into California Gulch on the west side

2. Sample Site Selection

Only general guidelines can be given for identification of when to sample a water flow or what emergent groundwater flows should be sampled especially during early summer due to possible influences by upgradient snowmelt.



The general guidelines are:

- all adit flows should be sampled
- emergent groundwater flows should not be sampled when upgradient snow conditions exist that could be the cause of or influence the flows
- samples should be taken of emergent groundwater flows with temperature above ambient, pH significantly below or above ambient or with significant conductivity readings unless upgradient conditions reflect probable influence by snow conditions. Then the site should be revisited for sampling when upgradient conditions improve.

### 3. Sample Parameters and Frequency

Field Parameters - Flow  
pH  
Temperature  
Conductivity

#### Water Characterization Sample Parameters -

Total Dissolved Solids @ 180 C.	
Total Suspended Solids	Dissolved Aluminum
Total Alkalinity as CaCO <sub>3</sub>	Dissolved Arsenic
Total Acidity as CaCO <sub>3</sub>	Dissolved Boron
Total Hardness as CaCO <sub>3</sub>	Dissolved Cadmium
Nitrate Nitrogen	Dissolved Chromium
Ammonia	Dissolved Copper
Bromide (deleted)	Dissolved Iron
Fluoride	Dissolved Lead
Ortho-Phosphate	Dissolved Manganese
Bicarbonate as HCO <sub>3</sub>	Dissolved Mercury
Chloride	Dissolved Selenium
Sulfate	Dissolved Silver
Calcium	Dissolved Strontium
Magnesium	Dissolved Zinc
Potassium	
Sodium	

#### Normal Sample Parameters -

Bromide (deleted)	Dissolved Lead
Dissolved Cadmium	Dissolved Manganese
Dissolved Copper	Dissolved Mercury
Dissolved Iron	Dissolved Zinc

Minimum Sampling Requirements:

- a) For each seep, spring or adit flow, one water characterization set of samples will be taken along with field parameters.
- b) Each field season, every identified site will be inspected twice, once at the beginning and once toward the end. Field parameters will be measured at each site during these inspections. Starting with the 1994 field season, 20 percent of the sites will be sampled and the samples analyzed for normal sample parameters such that analysis of all stations will be completed in 5 years. Laboratory samples will be from a mix of the study area drainages.
- c) The sampling and monitoring requirements shall be in effect for a period of time dependent on the leveling off of the rate of rise of the mine pool. The point of leveling off will be defined mathematically to the mutual satisfaction of SCC and DMG, based on data gathered through monitoring the rise of the mine pool. Monitoring and sampling shall continue 2 years after the mutually agreed upon point of leveling off has been reached by the mine pool.

II. Stream Monitoring and Bulkhead Inspection

1. Stream Monitoring:

A monitoring program of surface waters will include:

- a) seep inventory and monitoring samples as outlined in B.1.3.
- b) the MLR monitoring point above the American Tunnel (CC1/CC1A) on Cement Creek will be monitored monthly for water characterization sample parameters and field parameters.
- c) The South Fork of Cement Creek at SF 17 will be sampled twice annually during low flow conditions (probably October and February) for field and normal sample parameters.
- d) Placer Gulch at PG 115 and California Gulch at CG 115 will be sampled annually during low flow conditions (probably September) for field and normal sample parameters if the mine pool surface elevation rises above 11,500 feet.

1. Stream Monitoring - Cont

- e) Eureka Gulch at EC 34 will be sampled annually during low flow conditions (probably September or October) for field and normal sample parameters.
- f) The American Tunnel flow before treatment will be sampled monthly for field and normal sample parameters.
- g) The Terry Tunnel portal will be inspected for flow quarterly, when accessible. Existence of flow will trigger a bulkhead inspection.
- h) The mine pool water at the American Tunnel bulkhead will be sampled annually through the 1" pipe. The sample will be analyzed for water characterization sample parameters and field parameters except flow.

2. Bulkhead Inspection:

- a) The Terry Tunnel bulkhead will be inspected annually. At this time, the pressure gauge will also be read. If the mine pool surface rises above 11,600 feet in elevation the inspection interval will become semi-annual.
- b) The American Tunnel bulkhead and tunnel will be inspected weekly after valve closure for the first month, monthly for the next five months and then quarterly thereafter. Pressure readings from the installed gauge will be read during each inspection.

The monitoring and bulkhead inspection schedule will remain in effect until two years after leveling off of the rate of rise of the mine pool as outlined in B.1.3.

III. Reporting

The data collected during bulkhead inspection, stream monitoring and during data collection for the seep, springs and adit flow inventory study will be reported in a separate section to be added to the MLR Permit No. M-77-378 annual report. This section will also include a narrative to correlate information from the above monitoring and inspection programs related to TR-14.

SGC will notify DMG immediately if there is increased discharge to any surrounding drainage related to flooding of the Sunnyside Mine workings.

## Seep Inventory and Monitoring Program

### IV. Consent Decree and Order

Additional reporting and monitoring requirements have been added to comply with the terms of the Consent Decree. They will be added to this section in future reports.

SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
AMERICAN TUNNEL BULKHEAD #2

meter -> in units of mg/l unless noted

Station	Sample Date	Field pH s.u.	Field Cond umho	Field T C	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	TOTAL HARDNESS
AT-BH #2	04-Sep-01	2.62	2400	11.20	0.12	0.990	0.107	50.10	259.00	82.20	31.80	2830.00	1330.00
AT-BH #2	13-Sep-01	12.26	1800	11.80								1552.00	
AT-BH #2	24-Sep-01	12.67	8000	11.10								841.00	
AT-BH #2	29-Oct-01	12.16	7300	13.40								486.00	
AT-BH #2	27-Dec-01	12.78	8400	11.90								435.00	

## SUNNYSIDE GOLD CORPORATION

## AMERICAN TUNNEL BULKHEAD NO.2 MONITORING

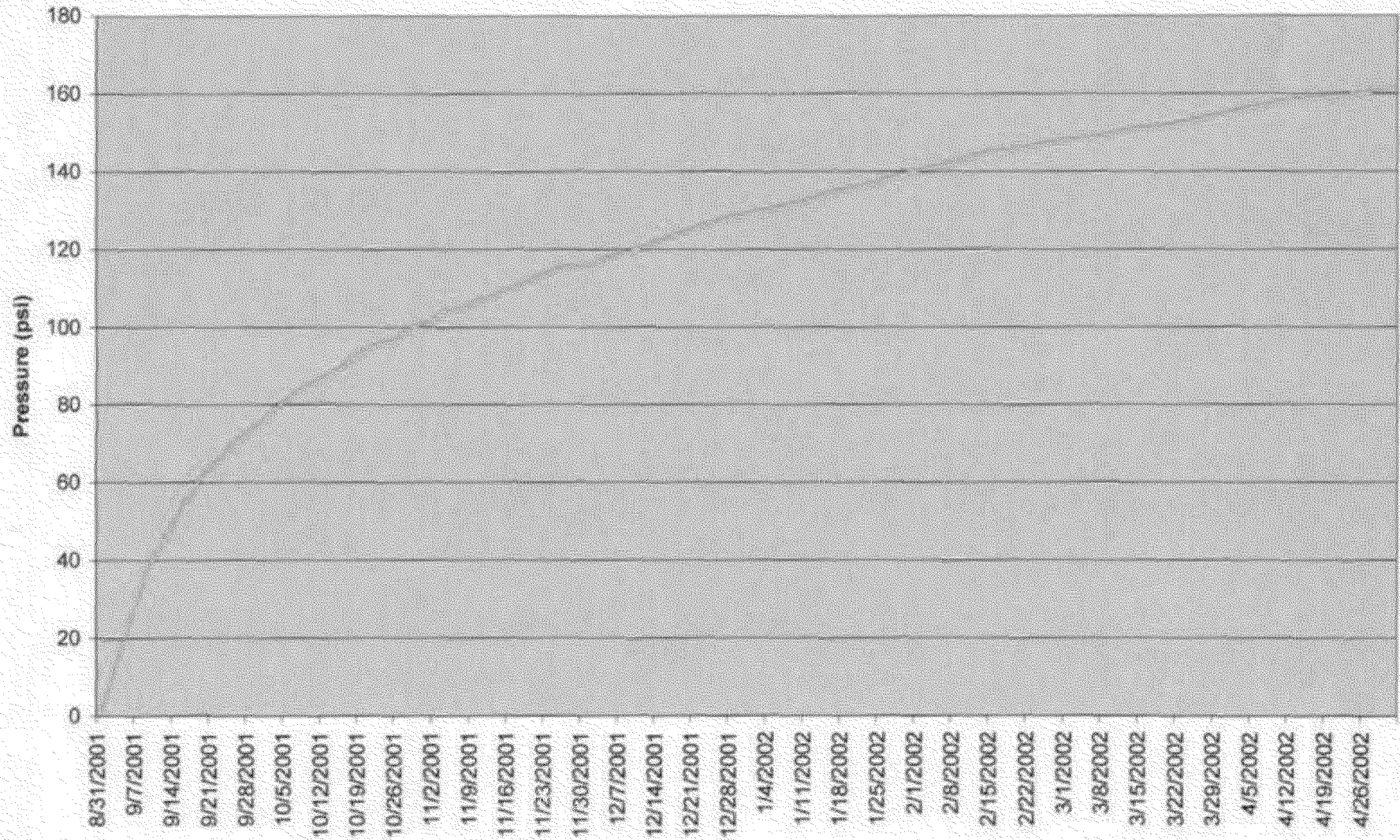
Date	pH s.u.	Sulfate mg/l	Pressure psi	Comments
31-Aug-01				0 Close Valve
4-Sep-01	2.62	2830	16	
9-Sep-01			38	
11-Sep-01			42	
12-Sep-01			45	
13-Sep-01	12.26	1550	47	
14-Sep-01			50	
15-Sep-01			52	
16-Sep-01			55	
17-Sep-01			56	
19-Sep-01			61	
20-Sep-01			63	
24-Sep-01	12.67	841	68	
26-Sep-01			71	
1-Oct-01			76	
3-Oct-01			79	
5-Oct-01			81	
8-Oct-01			84	
11-Oct-01			86	
15-Oct-01			89	
17-Oct-01			91	
21-Oct-01			95	
24-Oct-01			96	
25-Oct-01			96	
28-Oct-01			99	
29-Oct-01	12.16	486	100	
1-Nov-01			101	
4-Nov-01			104	
8-Nov-01			105	
9-Nov-01			106	
15-Nov-01			109	
25-Nov-01			115	
30-Nov-01			116	
2-Dec-01			116	
5-Dec-01			118	
10-Dec-01			120	
14-Dec-01			122	
20-Dec-01			125	
27-Dec-01	12.78	435	128	
3-Jan-02			130	
10-Jan-02			132	
17-Jan-02			135	
24-Jan-02			137	

SUNNYSIDE GOLD CORPORATION

AMERICAN TUNNEL BULKHEAD NO.2 MONITORING

Date	pH s.u.	Sulfate mg/l	Pressure psi	Comments
31-Jan-02			140	
7-Feb-02			142	
14-Feb-02			145	
21-Feb-02			146	
28-Feb-02			148	
7-Mar-02			149	
14-Mar-02			151	
21-Mar-02			152	
28-Mar-02			154	
4-Apr-02			156	
11-Apr-02			158	
18-Apr-02			159	
25-Apr-02			160	
2-May-02			161	
10-May-02			162	
16-May-02			163	

AMERICAN TUNNEL BULKHEAD BULKHEAD NO.2





SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
AMERICAN TUNNEL BULKHEAD

meter -> in units of mg/l unless noted

Station	Sampledate	FieldpH s.u.	FieldCond umho	FieldT C	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	TOTAL HARDNESS
AMERICAN TUNNEL BULKHEAD	17-Jan-97	5.35	2000	12.00									
AMERICAN TUNNEL BULKHEAD	29-Jan-97	5.10	2000	12.00									
AMERICAN TUNNEL BULKHEAD	14-Feb-97	4.76	2000	12.00									
AMERICAN TUNNEL BULKHEAD	03-Mar-97	4.52	2000	12.00									
AMERICAN TUNNEL BULKHEAD	14-Mar-97	4.37	2200	13.00									
AMERICAN TUNNEL BULKHEAD	31-Mar-97	4.20	2300	12.00									
AMERICAN TUNNEL BULKHEAD	09-May-97	4.20	2200	13.00	0.54	4.40	0.69	196.00	25.60	234.00	12.70	2259.00	1358.00
AMERICAN TUNNEL BULKHEAD	16-May-97	4.19	2300	12.00									
AMERICAN TUNNEL BULKHEAD	23-May-97	3.72	2500	13.00									
AMERICAN TUNNEL BULKHEAD	04-Jun-97	3.22	2400	12.00									
AMERICAN TUNNEL BULKHEAD	16-Jun-97	3.25	2600	12.50									
AMERICAN TUNNEL BULKHEAD	30-Jun-97	3.49	2300	12.00									
AMERICAN TUNNEL BULKHEAD	23-Jul-97	4.72	2100	12.00									
AMERICAN TUNNEL BULKHEAD	06-Aug-97	4.90	2200	13.00									
AMERICAN TUNNEL BULKHEAD	16-Aug-97	4.61	2400	12.50									
AMERICAN TUNNEL BULKHEAD	03-Sep-97	5.25	2400	12.00									
AMERICAN TUNNEL BULKHEAD	22-Sep-97	5.25		12.60									
AMERICAN TUNNEL BULKHEAD	10-Oct-97	5.55	2200	12.00									
AMERICAN TUNNEL BULKHEAD	11-Nov-97	5.40	2100	10.60									
AMERICAN TUNNEL BULKHEAD	01-Dec-97	5.45	2000	10.80									
AMERICAN TUNNEL BULKHEAD	23-Dec-97	5.45	2000	13.50									
AMERICAN TUNNEL BULKHEAD	01-Jan-98	5.63	2000	12.00									
AMERICAN TUNNEL BULKHEAD	26-Feb-98	3.45	2000	10.50									
AMERICAN TUNNEL BULKHEAD	23-Mar-98	3.31	2300	10.20	<.001	6.13	0.60	228.00	50.10	249.00	13.10	2120.00	1010.00
AMERICAN TUNNEL BULKHEAD	22-Apr-98	3.14	2400	12.00									
AMERICAN TUNNEL BULKHEAD	22-May-98	3.11	2600	14.50									
AMERICAN TUNNEL BULKHEAD	12-Jun-98	2.83	2700	12.00									
AMERICAN TUNNEL BULKHEAD	26-Jun-98	2.68	2600	12.00									
AMERICAN TUNNEL BULKHEAD	29-Jul-98	2.83	2600	13.00									
AMERICAN TUNNEL BULKHEAD	28-Aug-98	2.88	2500	10.80									
AMERICAN TUNNEL BULKHEAD	25-Sep-98	3.02	2500	11.00									
AMERICAN TUNNEL BULKHEAD	04-Nov-98	3.87	2500	11.40									
AMERICAN TUNNEL BULKHEAD	25-Nov-98	3.94	2100	11.90									
AMERICAN TUNNEL BULKHEAD	05-Jan-99	4.08	2300	11.30									
AMERICAN TUNNEL BULKHEAD	27-Jan-99	4.25	2300	10.60									
AMERICAN TUNNEL BULKHEAD	24-Feb-99	4.36	2300	10.90	<.001	1.93	0.50	330.00	66.60	309.00	15.60	2630.00	1450.00

SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
AMERICAN TUNNEL BULKHEAD

ameter -> in units of mg/l unless noted

Station	Sample Date	Field pH s.u.	Field Cond umho	Field T C	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	TOTAL HARDNESS
AMERICAN TUNNEL BULKHEAD	30-Mar-99	4.68	2200	9.70									
AMERICAN TUNNEL BULKHEAD	27-Apr-99	4.43	2400	10.0									
AMERICAN TUNNEL BULKHEAD	26-May-99	4.40	2200	14.1									
AMERICAN TUNNEL BULKHEAD	25-Jun-99	4.62	2500	11.1									
AMERICAN TUNNEL BULKHEAD	23-Jul-99	5.09	3000	12.60									
AMERICAN TUNNEL BULKHEAD	24-Aug-99	4.85	3100	11.80									
AMERICAN TUNNEL BULKHEAD	24-Sep-99	5.28	3000	11.70									
AMERICAN TUNNEL BULKHEAD	22-Oct-99	4.84	3100	11.80									
AMERICAN TUNNEL BULKHEAD	29-Nov-99	4.87	2600	13.00									
AMERICAN TUNNEL BULKHEAD	26-Dec-99	4.88	2800	12.50									
AMERICAN TUNNEL BULKHEAD	01-Jan-00	4.67	2400	11.60									
AMERICAN TUNNEL BULKHEAD	25-Feb-00	4.86	2300	12.50									
AMERICAN TUNNEL BULKHEAD	10-Apr-00	5.27	2300	17.10	0.29	0.24	0.33	258.00	101.00	316.00	13.60	2850.00	1310.00
AMERICAN TUNNEL BULKHEAD	10-Oct-00	5.25	2600	12.10									
AMERICAN TUNNEL BULKHEAD	04-Dec-00	5.19	2500	12.30									
AMERICAN TUNNEL BULKHEAD	27-Mar-01	5.34	2250	12.11	0.13	0.055	0.15	200.00	94.50	290.00	9.50	3030.00	1220.00
AMERICAN TUNNEL BULKHEAD	14-May-01	6.16	2200	11.80	MONITORING COMPLETED-BULKHEAD PIPES READY FOR PERMANENT CLOSURE BY GROUTING								

INSIDE GOLD CORPORATION

AMERICAN TUNNEL BULKHEAD WATER DATA

Date	Time	Pressure psi	pH s.u.	Conductivity umho	Temp C	Comments	Discharge Flow MGal	H2O Injected MGal
16-Jul-96		86					0.69	
17-Jul-96							0.69	0.22
18-Jul-96	01:15 PM	89	4.74				0.69	0.53
19-Jul-96	07:30 AM	91					0.69	1.52
20-Jul-96							0.70	1.39
21-Jul-96							0.70	0.97
22-Jul-96	07:30 AM	99	5.26				0.71	0.92
23-Jul-96	07:30 AM	101	5.27				0.73	0.78
24-Jul-96	07:30 AM	102	5.40				0.73	0.61
25-Jul-96	07:30 AM	106	5.52				0.75	0.62
26-Jul-96	07:45 AM	109	6.10				0.75	0.63
27-Jul-96	07:30 AM	110	6.10				0.75	0.76
28-Jul-96	07:30 AM	112	6.60				0.71	0.79
29-Jul-96	07:30 AM	115	6.40			Valve closed later reopened	0.71	0.87
30-Jul-96	07:15 AM	119	6.44				1.05	0.68
31-Jul-96	08:00 AM	119	6.54				1.15	0.66
01-Aug-96	07:30 AM	120	6.34				1.15	0.53
02-Aug-96	07:30 AM	120	6.30			Valve closed	1.15	0.65
03-Aug-96								0.81
04-Aug-96								0.63
05-Aug-96	08:30 AM	130	5.12					0.639
06-Aug-96								0.511
07-Aug-96	08:45 AM	136	5.20					0.497
08-Aug-96								0.514
09-Aug-96	08:30 AM	141	5.52	1300				0.445
10-Aug-96								0.42
11-Aug-96								0.395
12-Aug-96	08:30 AM	146	5.52	1190				0.384
13-Aug-96								0.367
14-Aug-96	05:00 PM	150	5.28	680			0.16	0.37
15-Aug-96	08:50 AM	152	5.97	440		Valve opened	0.10	0.367
16-Aug-96	07:45 AM	151	5.65	1150			1.23	0.367
17-Aug-96	08:15 AM	150	5.20	1100			1.25	0.367
18-Aug-96	09:40 AM	149	5.41		11		1.24	0.353
19-Aug-96	06:20 PM	149	5.59	1960	13		1.25	0.353
20-Aug-96							1.26	0.36
21-Aug-96	07:50 AM	149	5.65		12		1.26	0.36
22-Aug-96							1.26	0.367
23-Aug-96	09:30 AM	148	5.84		12		1.26	0.37
24-Aug-96							1.26	0.389
25-Aug-96	06:20 PM	148	5.84		12		1.26	0.324
26-Aug-96							1.27	0.333
27-Aug-96							1.27	0.288
28-Aug-96							1.27	0.264
29-Aug-96	09:00 AM	148	5.98	1800	12		1.28	0.288
30-Aug-96						Injection thru SS Basin started	1.28	0.288
31-Aug-96							1.28	0.288
01-Sep-96							1.28	0.288
02-Sep-96							1.28	0.288
03-Sep-96	10:30 AM	148	8.28	1880			1.28	0.288
04-Sep-96	05:35 PM	148	9.61	1880	13		1.28	0.288
05-Sep-96							0.88	0.288
06-Sep-96	09:40 AM		9.77	1780			0.88	0.288
07-Sep-96	08:00 PM	150	11.70		14		0.47	0.288
08-Sep-96							0.63	0.288
09-Sep-96	12:00 AM	151	11.77	3100	12	Valve closed	0.78	0.288
10-Sep-96								0.288
11-Sep-96								0.288
12-Sep-96								0.288
13-Sep-96								0.288
14-Sep-96								0.288

ANNYSIDE GOLD CORPORATION

AMERICAN TUNNEL BULKHEAD WATER DATA

Date	Time	Pressure psi	pH s.u.	Conductivity umho	Temp C	Comments	Discharge Flow MGal	H2O Injected MGal
15-Sep-96								0
16-Sep-96						SS Basin Injection stopped		0.024
17-Sep-96	09:40 AM	160						0.168
18-Sep-96	10:45 AM	165	12.08					0.144
19-Sep-96	09:30 AM	169		3400				0.288
20-Sep-96								0.288
21-Sep-96								0.144
22-Sep-96								0.144
23-Sep-96								0.216
24-Sep-96	10:15 AM	178	12.25	3600				0.288
25-Sep-96								0.288
26-Sep-96								0.288
27-Sep-96	10:15 AM	180	12.22	3500				0.144
28-Sep-96								0
29-Sep-96								0
30-Sep-96								0
01-Oct-96								0.288
02-Oct-96								0.288
03-Oct-96								0.288
04-Oct-96	01:00 PM	189	12.50	3300				0.288
05-Oct-96								0.288
06-Oct-96								0.288
07-Oct-96								0.144
08-Oct-96								0
09-Oct-96						H2O Injection Stopped		0.072
10-Oct-96	02:00 PM	198	12.33	3000	11			
17-Oct-96	10:00 AM	201	6.60	1900	11			
25-Oct-96	11:00 AM	208	5.73	1890	12			
01-Nov-96	09:30 AM	210	5.38	1930	12			
08-Nov-96	10:15 AM	212	5.42	1970	10			
21-Nov-96	02:00 PM	219	4.90	2100	11			
12-Dec-96	11:15 AM	226	4.99	2000	11			
30-Dec-96	12:05 PM	231	5.48	2000	11			
17-Jan-97	02:30 PM	234	5.35	2000	12			
29-Jan-97	09:30 AM	239	5.10	2000	12			
14-Feb-97	08:30 AM	245	4.76	2000	12			
03-Mar-97	02:00 PM	249	4.52	2000	12			
14-Mar-97	09:30 AM	250	4.37	2200	13			
31-Mar-97	02:30 PM	252	4.20	2300	12			
28-Apr-97	10:30 AM	259	4.34	2400	12			
09-May-97	09:00 AM	261	4.20	2200	13			
16-May-97	08:30 AM	263	4.19	2300	12			
23-May-97	09:15 AM	272	3.72	2500	13			
04-Jun-97	08:30 AM	286	3.22	2400	12			
16-Jun-97	08:30 AM	297	3.25	2600	12.5	H2O Inj. Started- Gravity Feed		
30-Jun-97	09:00 AM	301	3.49	2300	12			
23-Jul-97	11:30 AM	307	4.72	2100	12			
July								1.51
06-Aug-97	01:45 PM	309	4.90	2200	13			
18-Aug-97	01:15 PM	311	4.61	2400	12.5			
August								2.55
03-Sep-97	10:00 AM	312	5.25	2400	12			
22-Sep-97	01:00 PM	314	5.25		12.5			
29-Sep-97						H2O Inj. Stopped		
								1.25
13-Oct-97	02:30 PM	318	5.55	2200	12			
11-Nov-97	09:30 AM	321	5.40	2100	10.6			
01-Dec-97	11:00 AM	323	5.45	2000	10.8			
23-Dec-97	10:30 AM	326	5.45	2000	13.5			
23-Jan-98	02:00 PM	329	5.63	2000	12			
26-Feb-98	09:00 AM	331	3.45	2000	10.5			

INSIDE GOLD CORPORATION

AMERICAN TUNNEL BULKHEAD WATER DATA

Date	Time	Pressure psi	pH s.u.	Conductivity umho	Temp C	Comments	Discharge Flow MGal	H2O Injected MGal
23-Mar-98	10:30 AM	332	3.18	2300	10.2			
22-Apr-98	09:00 AM	333	3.14	2400	12			
22-May-98	09:00 AM	336	3.11	2600	14.5			
12-Jun-98	09:00 AM	347	2.83	2700	12			
26-Jun-98	12:00 PM	351	2.68	2700	12			
29-Jul-98	10:00 AM	354	2.83	2600	13			
28-Aug-98	10:00 AM	359	2.88	2500	10.8			
25-Sep-98	09:30 AM	360	3.02	2500	11			
04-Nov-98	09:15 AM	363	3.87	2500	11.4			
25-Nov-98	10:30 AM	365	3.94	2100	11.9			
05-Jan-99	09:30 AM	368	4.08	2300	11.3			
27-Jan-99	10:00 AM	370	4.25	2300	10.6			
24-Feb-99	09:30 AM	370	4.36	2300	10.9			
30-Mar-99	09:30 AM	371	4.68	2200	9.7			
27-Apr-99	09:45 AM	372	4.43	2400	10			
26-May-99	10:00 AM	375	4.40	2200	14.1			
25-Jun-99	09:00 AM	395	4.62	2500	12.8			
28-Jun-99						H2O inj. to lower Terry Ponds		0.01
29-Jun-99						H2O inj. to lower Terry Ponds		0.03
30-Jun-99						H2O inj. to lower Terry Ponds		0.03
02-Jul-99						H2O inj. to lower Terry Ponds		0.04
04-Jul-99						H2O inj. to lower Terry Ponds		0.07
05-Jul-99						H2O inj. to lower Terry Ponds		0.06
13-Jul-99						H2O inj. to lower Terry Ponds		0.03
15-Jul-99						H2O inj. to lower Terry Ponds		0.08
15-Jul-99						H2O inj. to lower Terry Ponds		0.03
21-Jul-99						H2O inj. to lower Terry Ponds		0.02
23-Jul-99	09:30 AM	398	5.09	3000	12.6			
27-Jul-99						H2O inj. to lower Terry Ponds		0.03
28-Jul-99						H2O inj. to lower Terry Ponds		0.02
06-Aug-99						H2O inj. to lower Terry Ponds		0.02
07-Aug-99						H2O inj. to lower Terry Ponds		0.02
10-Aug-99						H2O inj. to lower Terry Ponds		0.02
17-Aug-99						H2O inj. to lower Terry Ponds		0.04
18-Aug-99						H2O inj. to lower Terry Ponds		0.04
24-Aug-99	08:30 AM	409	4.85	3100	11.6			
25-Aug-99						H2O inj. to lower Terry Ponds		0.02
01-Sep-99						H2O inj. to lower Terry Ponds		0.03
02-Sep-99						H2O inj. to lower Terry Ponds		0.08
03-Sep-99						H2O inj. to lower Terry Ponds		0.03
10-Sep-99						H2O inj. to lower Terry Ponds		0.04
11-Sep-99						H2O inj. to lower Terry Ponds		0.04
16-Sep-99						H2O inj. to lower Terry Ponds		0.05
17-Sep-99						H2O inj. to lower Terry Ponds		0.03
23-Sep-99						H2O inj. to lower Terry Ponds		0.03
24-Sep-99	09:30 AM	415	5.29	3000	11.7			
08-Oct-99						H2O inj. to lower Terry Ponds		0.03
09-Oct-99						H2O inj. to lower Terry Ponds		0.03
10-Oct-99						H2O inj. to lower Terry Ponds		0.05
14-Oct-99						H2O inj. to lower Terry Ponds		0.027
15-Oct-99						H2O inj. to lower Terry Ponds		0.014
17-Oct-99						H2O inj. to lower Terry Ponds		0.014
20-Oct-99						H2O inj. to lower Terry Ponds		0.02
22-Oct-99	11:00 AM	419	4.84	3100	11.8			
29-Nov-99	09:30 AM	420	4.87	2600	13			
28-Dec-99	11:00 AM	420.5	4.88	2600	12.5			
28-Jan-00	10:00 AM	420.5	4.67	2400	11.6			
25-Feb-00	10:20 AM	420	4.88	2300	12.5			
10-Apr-00	09:00 AM	420	5.27	2300	17.1			
02-Jun-00						H2O inj. to lower Terry Ponds		0.072
03-Jun-00						H2O inj. to lower Terry Ponds		0.123

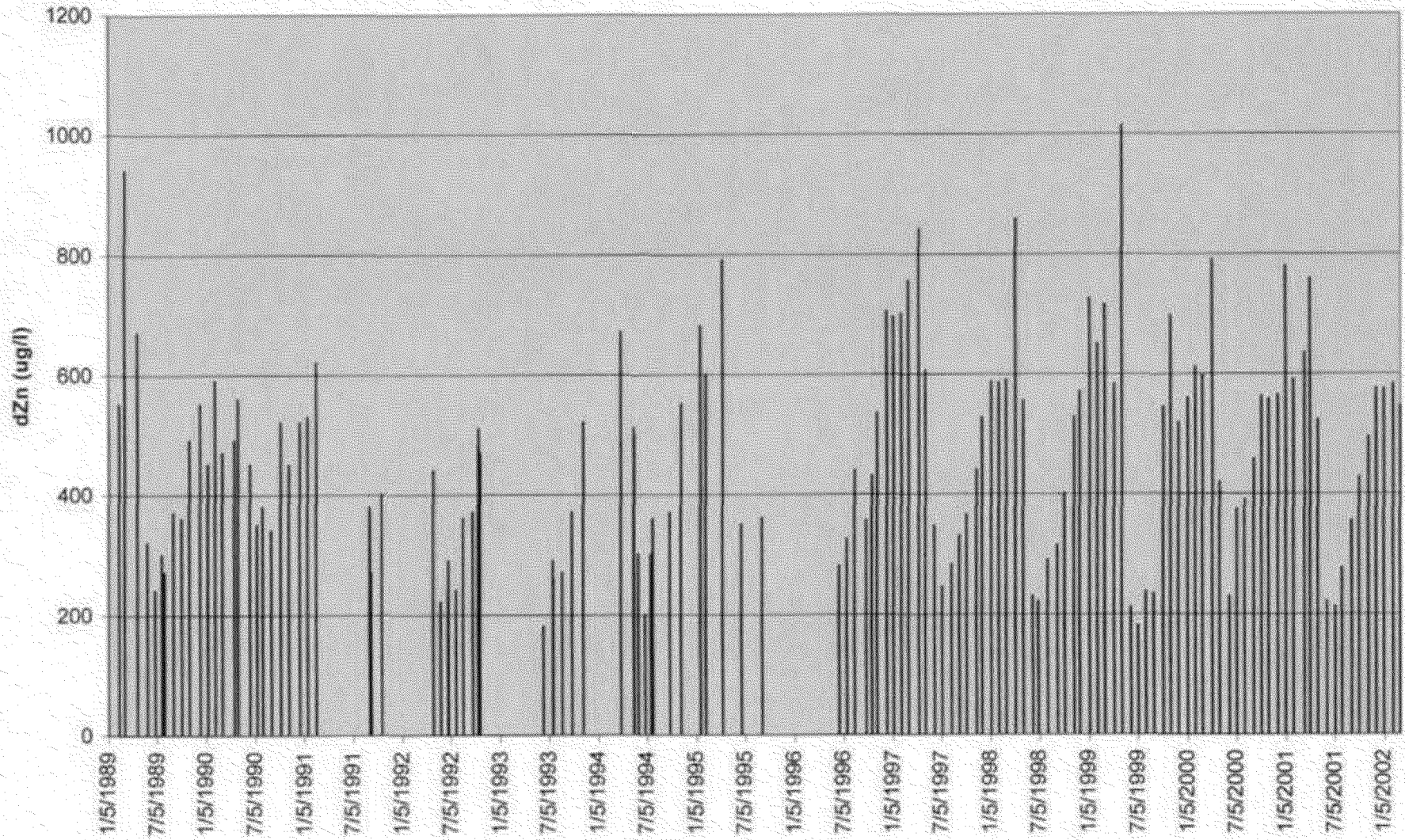
ANNYSIDE GOLD CORPORATION

AMERICAN TUNNEL BULKHEAD WATER DATA

Date	Time	Pressure psi	pH s.u.	Conductivity umho	Temp C	Comments	Discharge Flow MGal	H2O Injected MGal
04-Jun-00						H2O inj. to lower Terry Ponds		0.044
06-Jun-00						H2O inj. to lower Terry Ponds		0.072
07-Jun-00						H2O inj. to lower Terry Ponds		0.062
08-Jun-00						H2O inj. to lower Terry Ponds		0.123
09-Jun-00						H2O inj. to lower Terry Ponds		0.049
11-Jun-00						H2O inj. to lower Terry Ponds		0.08
12-Jun-00						H2O inj. to lower Terry Ponds		0.046
14-Jun-00						H2O inj. to lower Terry Ponds		0.075
15-Jun-00						H2O inj. to lower Terry Ponds		0.077
18-Jun-00						H2O inj. to lower Terry Ponds		0.077
19-Jun-00						H2O inj. to lower Terry Ponds		0.123
20-Jun-00						H2O inj. to lower Terry Ponds		0.054
23-Jun-00						H2O inj. to lower Terry Ponds		0.075
24-Jun-00						H2O inj. to lower Terry Ponds		0.072
25-Jun-00						H2O inj. to lower Terry Ponds		0.046
26-Jun-00						H2O inj. to lower Terry Ponds		0.059
28-Jun-00						H2O inj. to lower Terry Ponds		0.069
29-Jun-00						H2O inj. to lower Terry Ponds		0.083
01-Jul-00						H2O inj. to lower Terry Ponds		0.063
02-Jul-00						H2O inj. to lower Terry Ponds		0.085
04-Jul-00						H2O inj. to lower Terry Ponds		0.057
05-Jul-00						H2O inj. to lower Terry Ponds		0.087
07-Jul-00						H2O inj. to lower Terry Ponds		0.039
08-Jul-00						H2O inj. to lower Terry Ponds		0.072
10-Jul-00						H2O inj. to lower Terry Ponds		0.039
11-Jul-00						H2O inj. to lower Terry Ponds		0.123
12-Jul-00						H2O inj. to lower Terry Ponds		0.051
14-Jul-00						H2O inj. to lower Terry Ponds		0.018
15-Jul-00						H2O inj. to lower Terry Ponds		0.105
17-Jul-00						H2O inj. to lower Terry Ponds		0.067
18-Jul-00						H2O inj. to lower Terry Ponds		0.075
20-Jul-00						H2O inj. to lower Terry Ponds		0.046
21-Jul-00						H2O inj. to lower Terry Ponds		0.123
22-Jul-00						H2O inj. to lower Terry Ponds		0.04
24-Jul-00						H2O inj. to lower Terry Ponds		0.072
25-Jul-00						H2O inj. to lower Terry Ponds		0.059
27-Jul-00						H2O inj. to lower Terry Ponds		0.051
28-Jul-00						H2O inj. to lower Terry Ponds		0.069
30-Jul-00						H2O inj. to lower Terry Ponds		0.048
31-Jul-00						H2O inj. to lower Terry Ponds		0.102
02-Aug-00						H2O inj. to lower Terry Ponds		0.021
03-Aug-00						H2O inj. to lower Terry Ponds		0.082
05-Aug-00						H2O inj. to lower Terry Ponds		0.08
06-Aug-00						H2O inj. to lower Terry Ponds		0.093
08-Aug-00						H2O inj. to lower Terry Ponds		0.041
10-Aug-00						H2O inj. to lower Terry Ponds		0.039
11-Aug-00						H2O inj. to lower Terry Ponds		0.075
13-Aug-00						H2O inj. to lower Terry Ponds		0.041
14-Aug-00						H2O inj. to lower Terry Ponds		0.102
16-Aug-00						H2O inj. to lower Terry Ponds		0.031
17-Aug-00						H2O inj. to lower Terry Ponds		0.103
19-Aug-00						H2O inj. to lower Terry Ponds		0.051
20-Aug-00						H2O inj. to lower Terry Ponds		0.103
22-Aug-00						H2O inj. to lower Terry Ponds		0.072
23-Aug-00						H2O inj. to lower Terry Ponds		0.085
24-Aug-00						H2O inj. to lower Terry Ponds		0.015
10-Oct-00	11:30 AM	440	5.25	2600	12.1			
04-Dec-00	01:15 PM	438	5.19	2500	12.3			
27-Mar-01	11:00 AM	438	5.34	2250	12.7			
14-May-01	11:00 AM	438	6.16	2200	11.8			

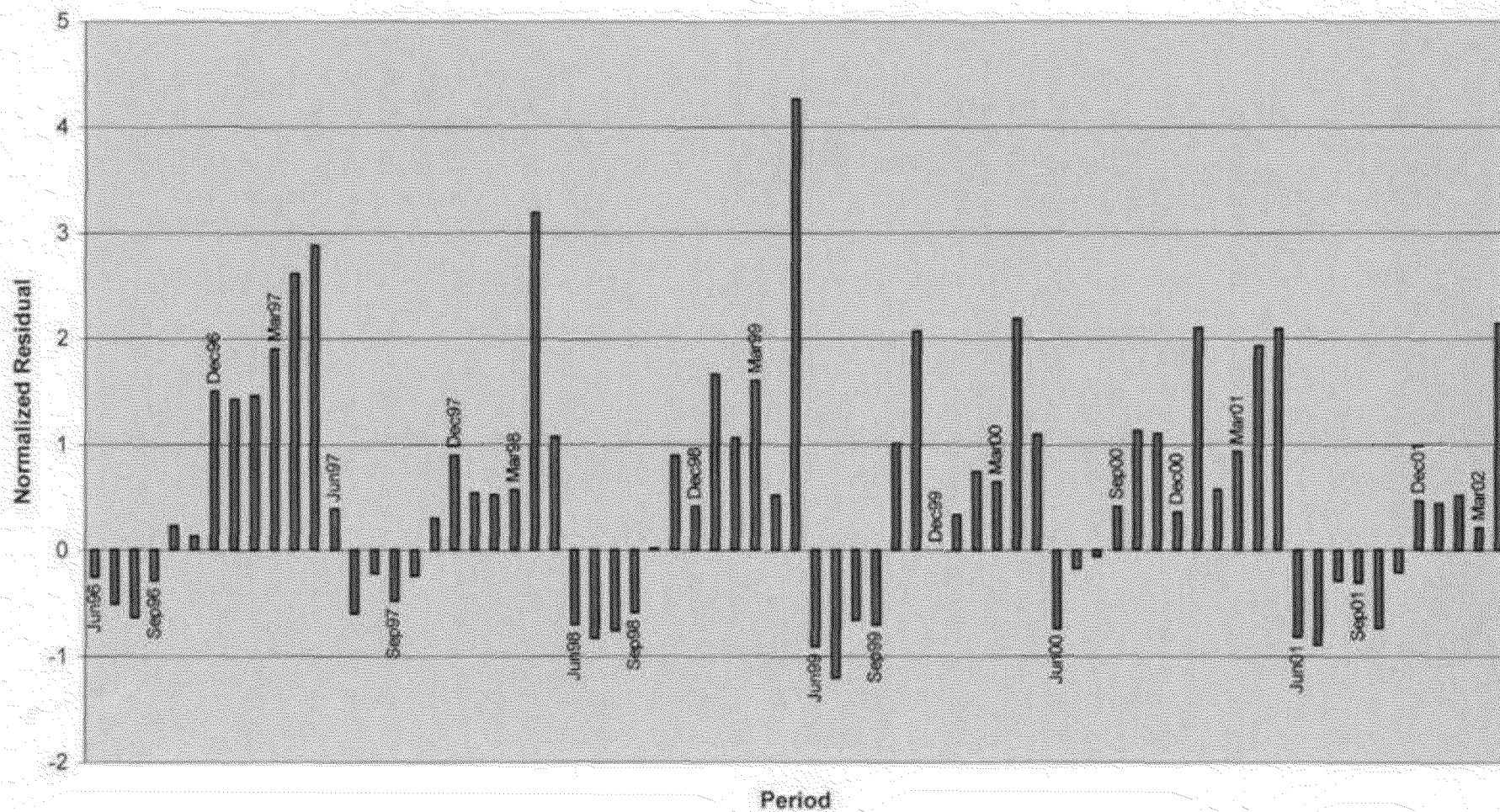
MONITORING COMPLETED-BULKHEAD PIPES READY FOR  
PERMANENT CLOSURE BY GROUTING

A-72 dZn (Jan '89-Mar '02)



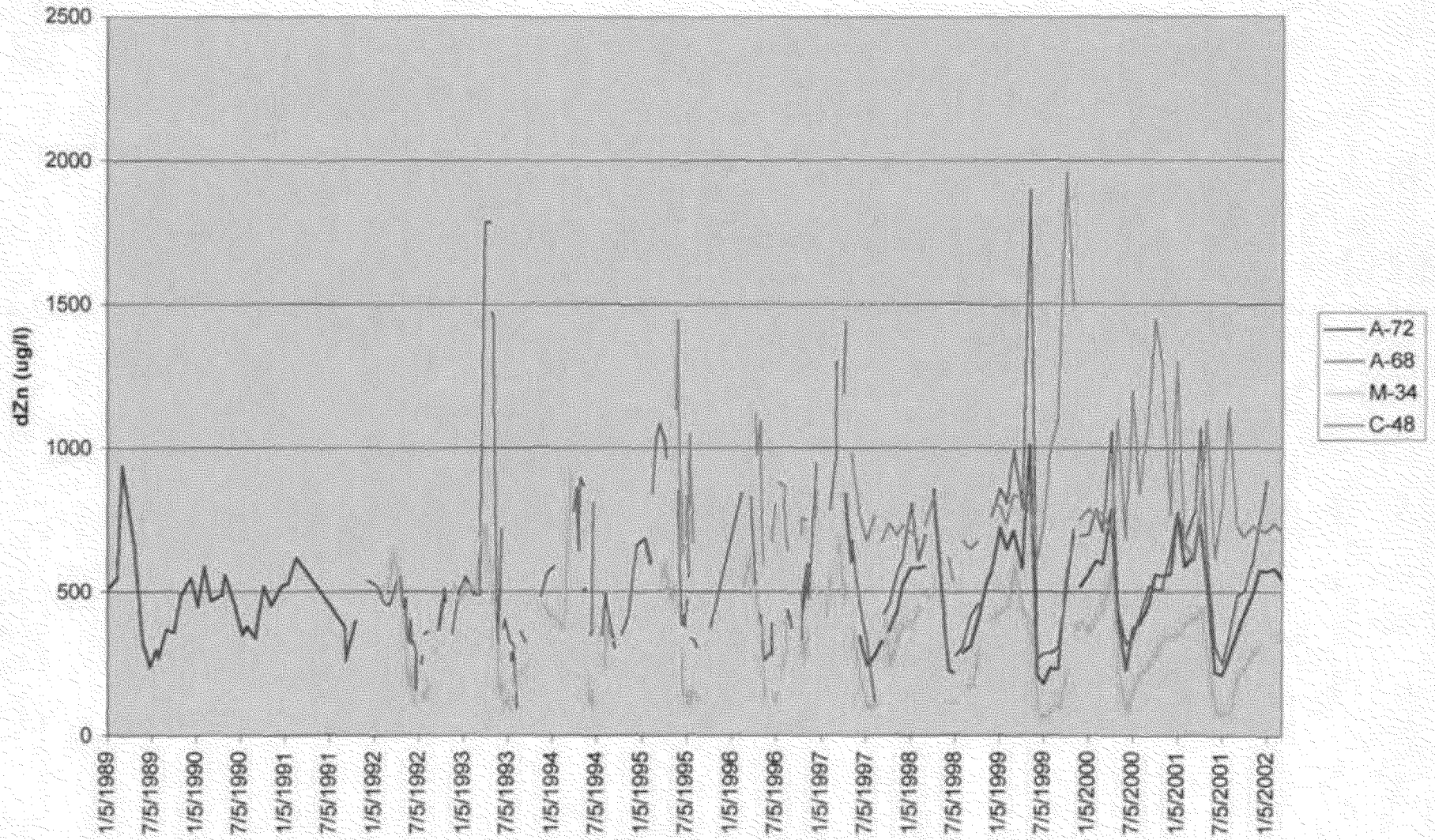


# A-72 Project Period N departure of Zinc Concentration





# UPPER ANIMAS STREAMS



SUNNYSIDE GOLD CORP.  
SILVERTON, COLO.  
SEEP POINT LOCATION

SEEP NO.	DRAINAGE	TYPE	LATITUDE	LONGITUDE	ELEVATION
EC-34	S. Fork Animas	Stream	37,52,48	107,34,03	9,880
CC-1	Cement	Stream	37,52,32	107,38,42	10,360
AT-P1	Cement	Seep	37,53,26	107,39,00	10,520
ATS2	S. Fork Cement	Seep	37,53,20	107,38,26	10,520
S-1	S. Fork Cement	Spring	37,53,13	107,38,52	10,560
MIDWAY	Eureka	Adit	38,33,30	107,35,10	10,720
S-14	S. Fork Cement	Spring	37,53,05	107,38,41	10,720
S-6	Cement	Seep	37,53,47	107,38,43	10,760
S-7	Cement	Seep	37,53,47	107,38,43	10,760
S-8	Cement	Seep	37,53,47	107,38,43	10,760
S-20	Eureka	Spring	38,37,00	107,35,28	10,800
S-15	S. Fork Cement	Seep	37,52,50	107,38,41	10,840
RB-1	Cement	Adit	37,53,50	107,38,35	10,960
SILVER LEDGE	S. Fork Cement	Adit	37,52,36	107,38,39	10,960
S-5	Cement	Spring	37,54,24	107,38,31	11,080
MS-3	Cement	Spring	37,54,23	107,38,28	11,150
MS-2	Cement	Spring	37,54,26	107,38,28	11,180
MS-1	Cement	Spring	37,54,30	107,38,26	11,200
S-9	Cement	Adit	37,54,28	107,38,20	11,320
GOLD KING	N. Fork Cement	Adit	37,53,43	107,38,18	11,400
CG-115	California Gulch	Stream	37,55,50	107,35,04	11,420
PG-115	Placer Gulch	Stream	37,55,50	107,35,04	11,420
M-1	Cement	Adit	37,54,37	107,38,14	11,440
S-4	Cement	Adit	37,54,32	107,38,14	11,440
TT-1	Eureka	Seep	37,53,33	107,36,10	11,480
TT-2	Eureka	Seep	37,53,33	107,36,07	11,480
S-13	Cement	Adit	37,54,34	107,38,12	11,520
LC-2	S. Fork Cement	Spring	37,53,17	107,38,11	11,560
MH-2&3	S. Fork Cement	Spring	37,53,15	107,38,12	11,560
BH	S. Fork Cement	Adit	37,52,56	107,38,05	11,600
S-17	Eureka	Spring	37,53,31	107,36,16	11,640
TOLTEC-1	Eureka	Seep	37,54,00	107,36,13	11,640
LC-1	S. Fork Cement	Spring	37,53,14	107,38,05	11,680
M-2	Cement	Adit	37,54,38	107,37,51	11,720
M-3	Cement	Adit	37,54,36	107,37,48	11,740
LC	S. Fork Cement	Spring	37,53,25	107,37,53	11,800
S-18	Eureka	Adit	37,53,35	107,36,23	11,920

# LEGEND



Corner marks to line up overlay with map



Study area boundaries



Sunnyside Mine access tunnels



Tracer monitoring sites



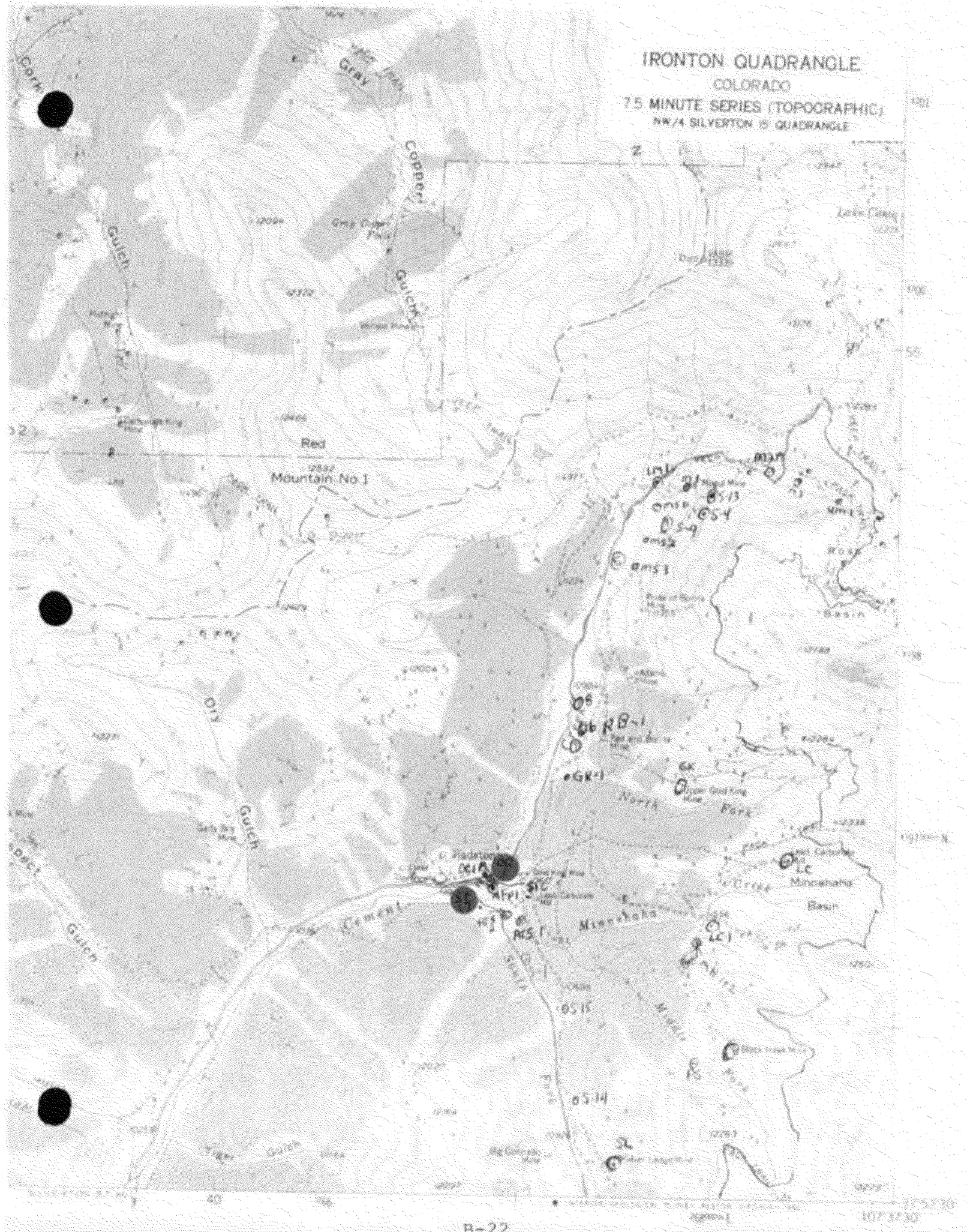
Seep study sites and SGC sample sites

# IRONTON QUADRANGLE

COLORADO

7.5 MINUTE SERIES (TOPOGRAPHIC)

NW/4 SILVERTON 15 QUADRANGLE

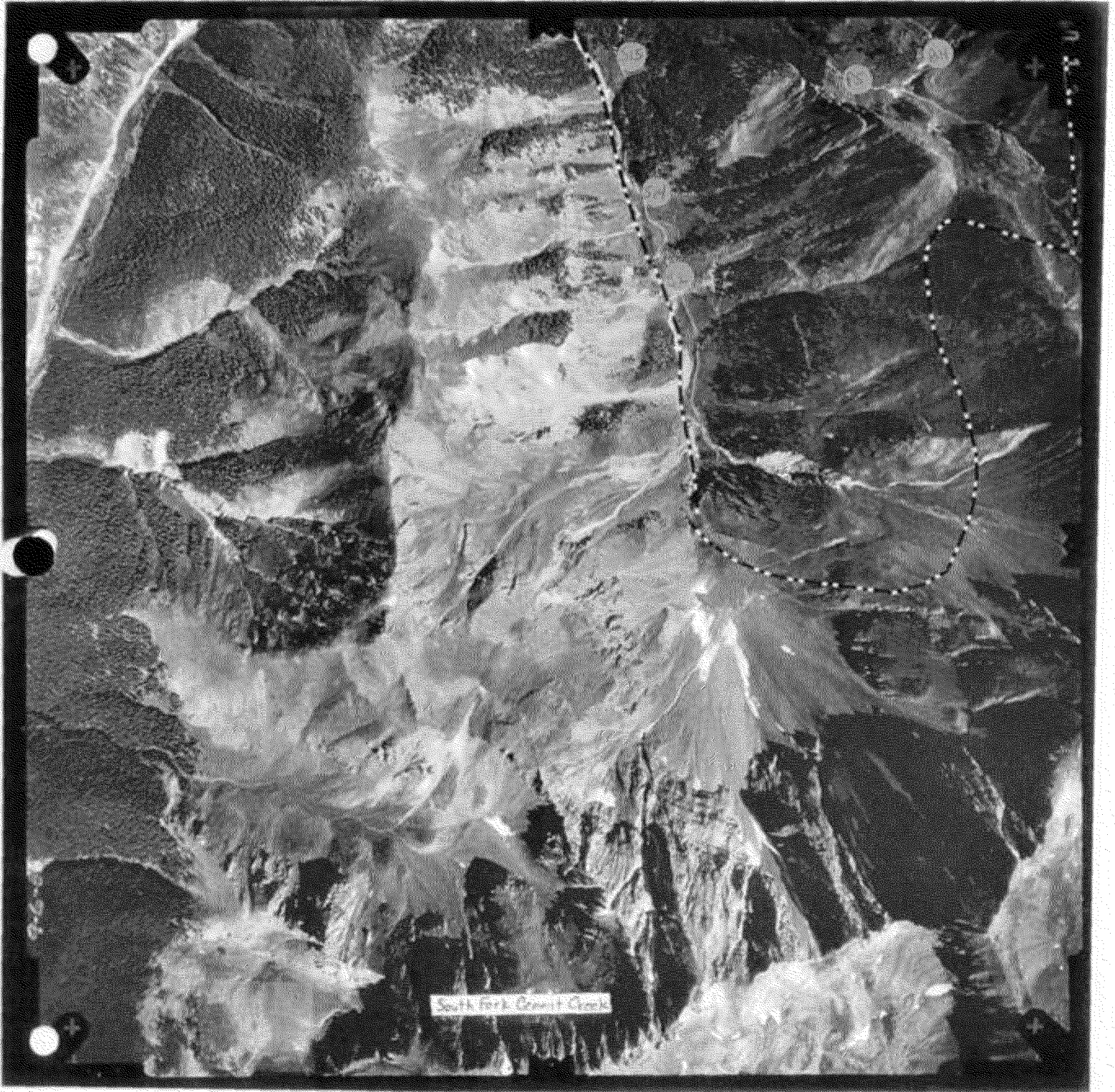




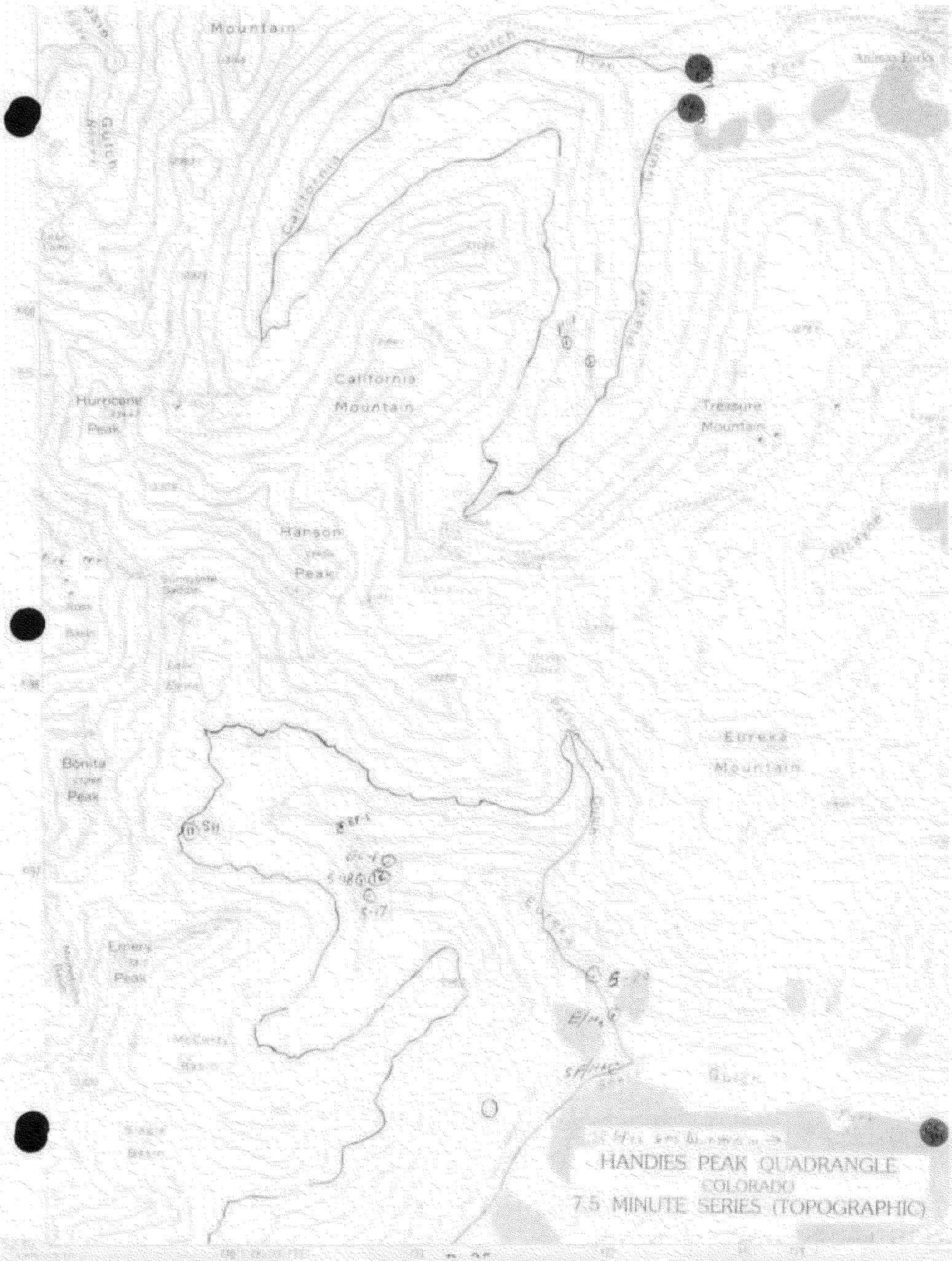


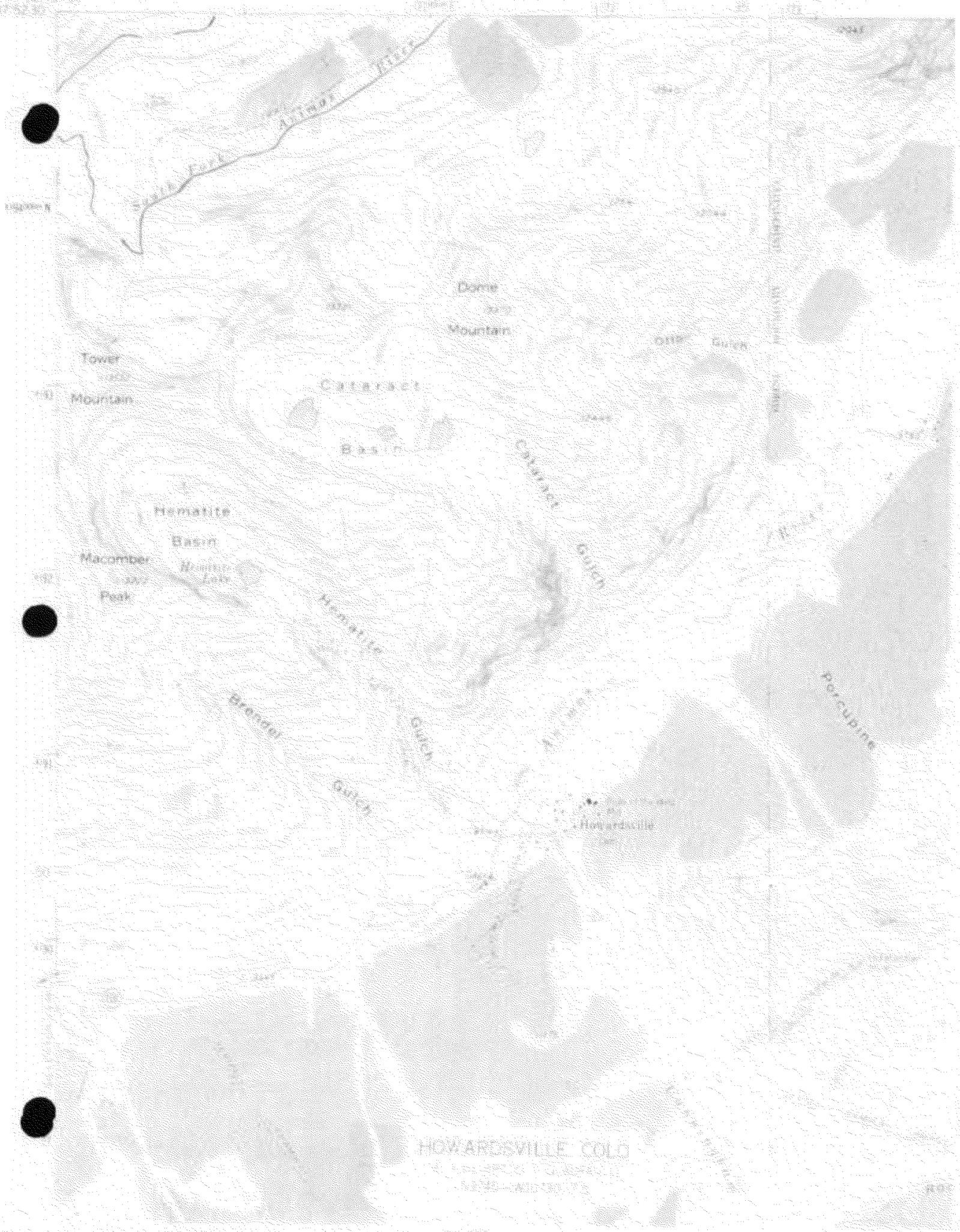
B-23



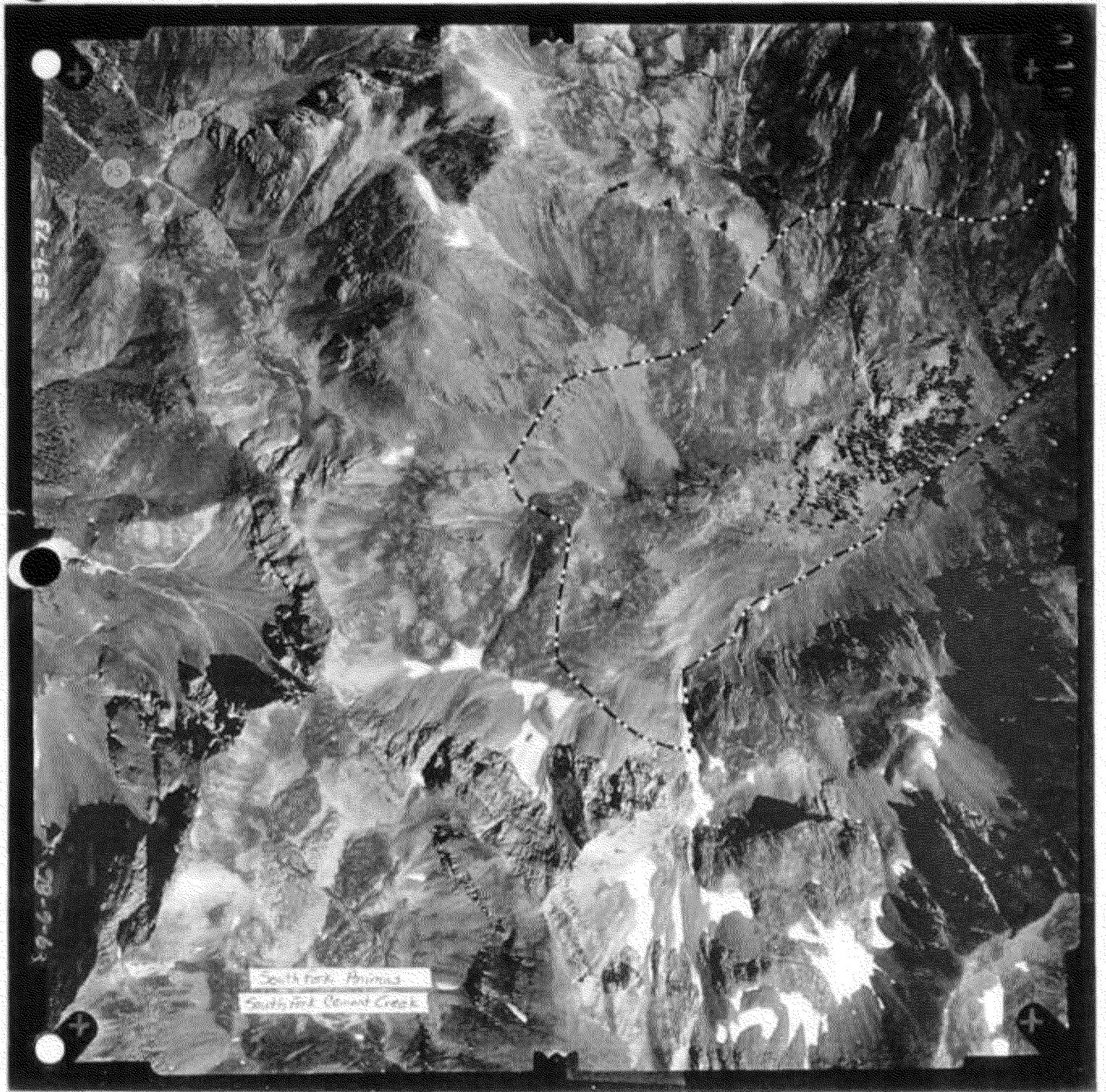


B-24



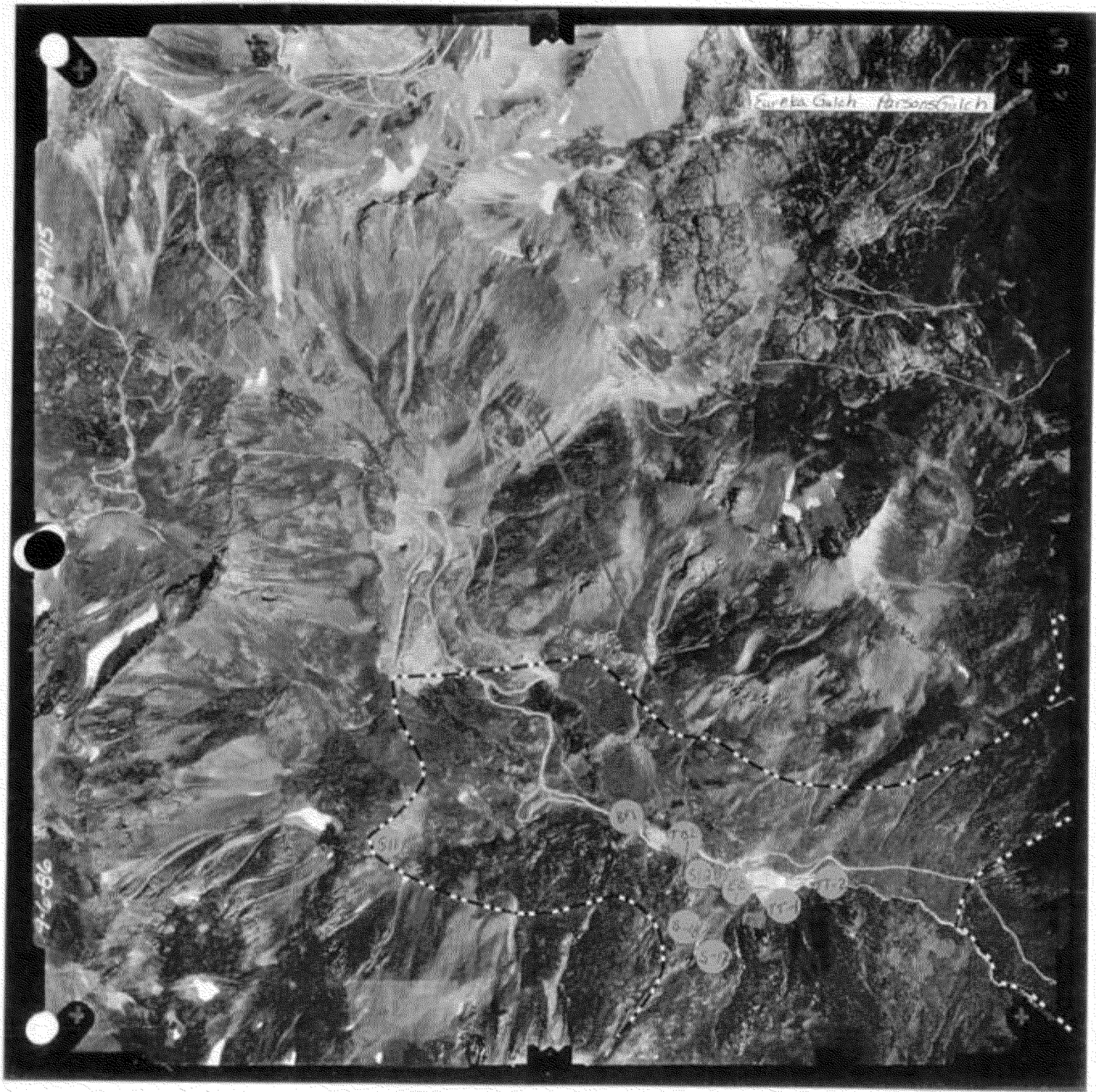






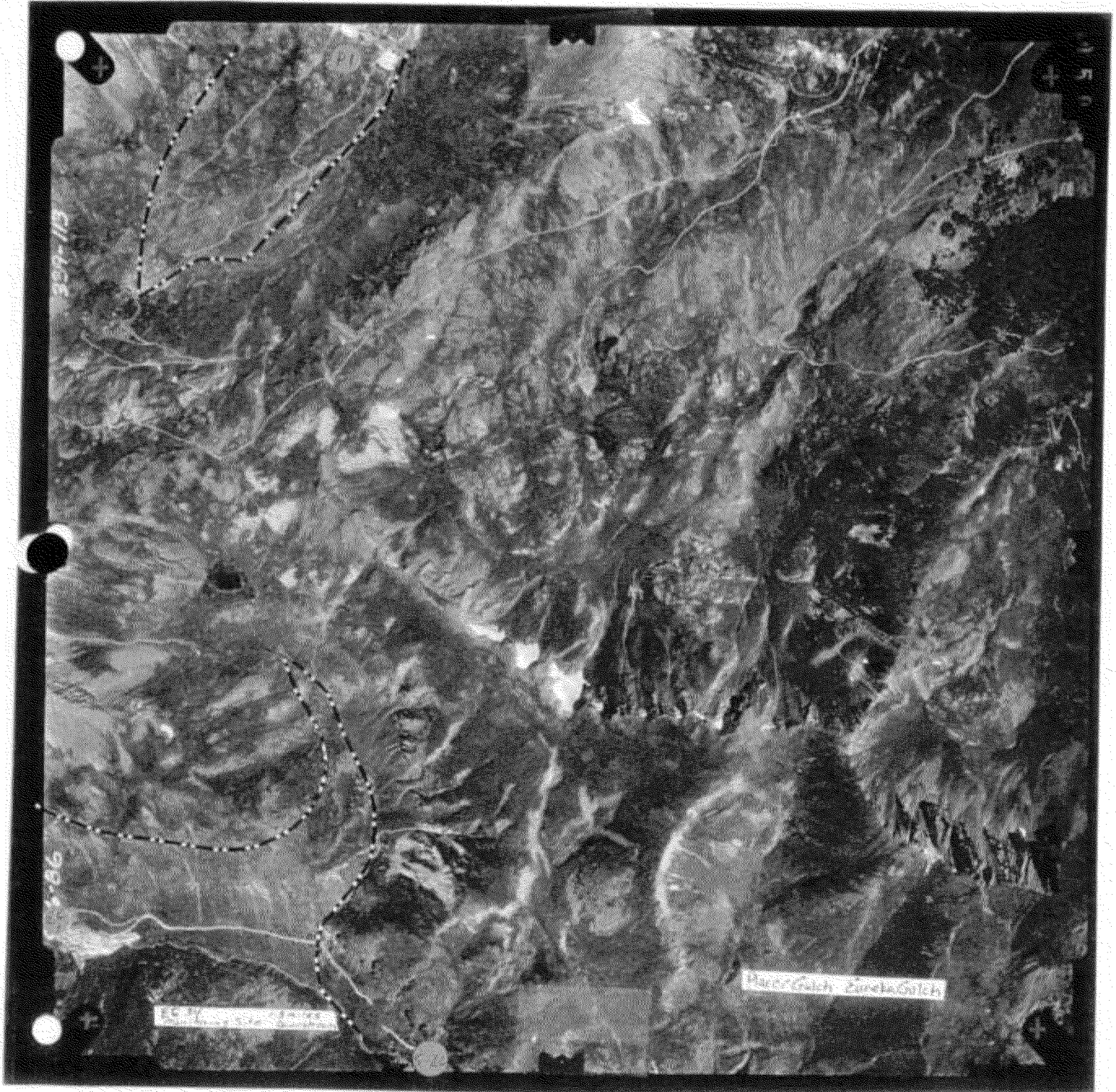
B-27





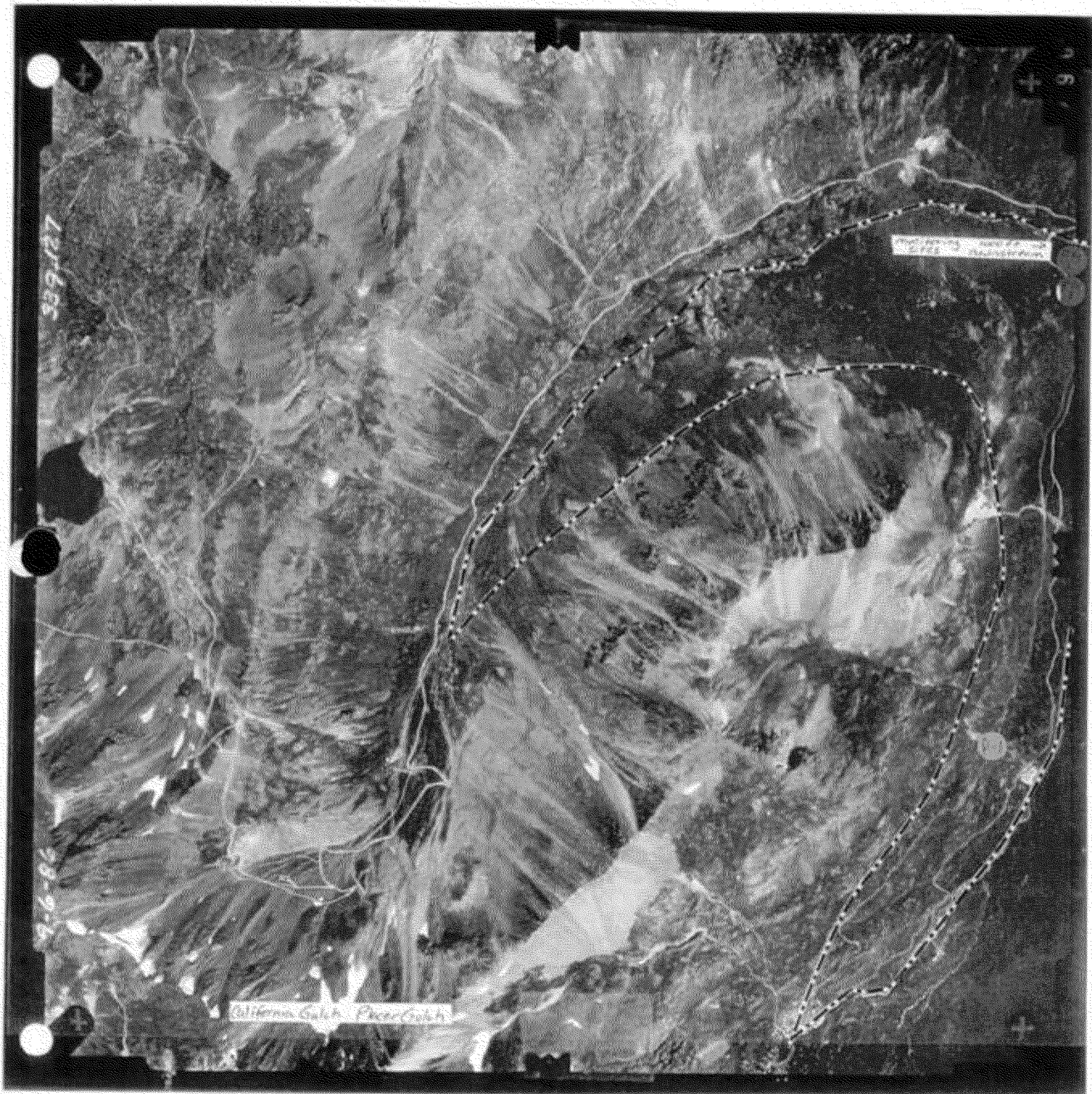
B-28





B-29





B-30

BACKGROUND WATER INVENTORY THROUGH 1998  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	UM-1	29-Jul-92	11:00:00	GN	IML	1.300	903.00	8.7	7.4	160	0.29	0.00	0.04	<.05	0.01	0.06	0.31
CEMENT CREEK	UM-1	23-Sep-92	10:30:00	GN	IML	0.290	201.00	5.5	6.8	210	0.50	0.00	0.06	0.09	<.02	0.10	0.47
CEMENT CREEK	M-3	29-Jul-92	12:30:00	GN	IML	0.098	68.00	11.4	3.4	460	3.8	0.052	2.21	11.5	0.04	3.55	9.59
CEMENT CREEK	M-3	23-Sep-92	11:30:00	GN	IML	0.001	1.00	12.8	3.1	980	12.50	0.16	6.67	32.50	<.02	10.50	26.10
CEMENT CREEK	M-3	02-Aug-93	14:00:00	JP	IML	0.008	5.54	12.0	2.9	740	8.3	0.11	4.94	28.7	0.03	7.94	22
CEMENT CREEK	M-3	17-Sep-93	11:00:00	GN	IML	0.010	8.80	8.9	2.8	730	8.8	0.138	5.34	20.6	0.024	9.27	20.4
CEMENT CREEK	M-3	06-Jul-94	14:00:00	JP	IML	0.032	22.20	18.5	3.0	450		0.035	2.1	10.3	0.03	0.39	11.6
CEMENT CREEK	M-3	09-Sep-94	10:30:00	GN	IML	0.003	2.24	11.4	2.8	1030	17.3	0.2	7.54	42.1	0.03	14.33	42.5
CEMENT CREEK	M-3	23-Aug-95	10:00:00	GN	IML	0.022	15.00	11.1	2.6	630	6.9	0.1	4.39	18.8	0.032	7.06	18.6
CEMENT CREEK	M-3	20-Sep-95	09:30:00	GN	IML	0.003	2.15	3.5	2.4	790	10	<0.002	6.44	29.1	0.01	10.9	29.2
CEMENT CREEK	M-3	16-Jul-96	13:30:00	GN	IML	0.019	13.00	16.9	2.9	480	5.23	0.069	2.73	10.9	0.04	4.69	12.5
CEMENT CREEK	M-3	23-Sep-96	13:30:00	GN	IML	0.017	11.46	9.0	3.2	440	7.53	0.077	11.25	4.69	0.047	5.85	15.4
SAMPLE COUNT						10	10	10	10	10	9	10	10	10	10	10	10
AVERAGE						0.021	14.719	11.540	2.907	673.000	8.929	0.094	6.361	20.719	0.028	7.448	20.779
Std.Dev.						0.027	16.889	3.972	0.268	207.752	3.907	0.057	2.663	11.367	0.013	3.840	9.406
Max.						0.098	68.000	18.500	3.360	1030.000	17.300	0.200	11.250	42.100	0.047	14.330	42.500
Min.						0.001	1.000	3.500	2.380	440.000	3.800	0.000	2.100	4.690	0.000	0.390	9.590
CEMENT CREEK	M-3	07-Jul-97	09:30:00	GN		0.166	115.00	7.6	2.5	270							
CEMENT CREEK	M-3	10-Sep-97	11:15:00	GN		0.003	1.35	9.1	3.4	488							
CEMENT CREEK	M-3	07-Jul-98	10:15:00	GN	IML	0.370	254.00	6.1	1.5	210	1.92	0.02	0.72	5.44	0.03	2.42	4.19
CEMENT CREEK	M-3	11-Sep-98	11:40:00	GN		0.004	2.64	16.1	1.7	890							
CEMENT CREEK	M-3	09-Jul-99	09:30:00	GN		0.227	168.00	7.1	2.5	220							
CEMENT CREEK	M-3	03-Sep-99	09:00:00	GN		0.180	114.00	8.5	2.8	460							
CEMENT CREEK	M-3	13-Jul-00	10:30:00	GN	IML	0.010	7.00	15.0	2.9	460	5.54	0.053	2.48	8.73	0.021	4.6	11.8
CEMENT CREEK	M-3	12-Sep-00	08:00:00	GN		0.014	9.75	6.0	2.9	550							
CEMENT CREEK	M-3	09-Jul-01	12:30:00	GN EN		0.013	9.02	17.2	2.4	320							
CEMENT CREEK	M-3	30-Aug-01	09:30:00	GN EN		0.006	4.15	9.8	2.4	630							

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter-->in units of mg/l unless noted																	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
CEMENT CREEK	M-2A	29-Jul-92	13:15:00	GN	IML	0.019	13.40	8.3	4.7	180	0.4	<.002	0.08	<.05	0.02	0.05	1.02
CEMENT CREEK	M-2A	23-Sep-92	12:00:00	GN	IML	0.014	9.65	7.6	4.4	250	0.80	0.00	0.06	<.05	<.02	0.04	1.24
CEMENT CREEK	M-2A	02-Aug-93	15:00:00	JP	IML	0.017	11.70	8.0	3.9	130	0.3	0.002	0.01	<.05	0.005	0.06	0.86
CEMENT CREEK	M-2A	17-Sep-93	11:30:00	GN	IML	0.019	13.20	5.8	4.2	180	0.4	0.003	0.05	<.05	0.005	0.12	1.18
CEMENT CREEK	M-2A	06-Jul-94	15:00:00	JP	IML	0.038	26.40	8.5	4.2	130	ND	0.002	0.03	<.05	0.005	0.03	1.42
CEMENT CREEK	M-2A	09-Sep-94	11:00:00	GN	IML	0.013	8.98	8.8	4.5	190	0.50	0.002	0.009	0.15	0.005	0.04	1.16
CEMENT CREEK	M-2A	23-Aug-95	10:15:00	GN	IML	0.028	18.00	7.2	4.0	130	0.30	0.002	0.014	0.06	<0.075	0.04	0.88
CEMENT CREEK	M-2A	20-Sep-95	09:45:00	GN	IML	0.016	11.00	6.4	3.7	160	0.60	<0.002	0.002	<0.05	<0.005	<0.02	0.46
CEMENT CREEK	M-2A	16-Jul-96	13:45:00	GN	IML	0.008	5.53	7.0	4.3	100	0.32	0.002	0.02	0.05	<0.005	0.03	0.78
CEMENT CREEK	M-2A	23-Sep-96	13:45:00	GN	IML	0.018	12.66	7.0	4.8	150	0.52	0.004	0.02	0.04	<.005	0.08	1.12
SAMPLE COUNT						10	10	10	10	10	10	10	10	10	10	10	10
AVERAGE						0.019	13.052	7.060	4.246	160.000	0.414	0.002	0.030	0.026	0.004	0.046	1.012
Std.Dev.						0.008	5.420	0.845	0.294	40.249	0.202	0.001	0.024	0.046	0.006	0.034	0.261
Max.						0.038	26.400	8.800	4.700	250.000	0.800	0.004	0.080	0.150	0.020	0.120	1.420
Min.						0.008	5.530	5.800	3.710	100.000	0.000	0.000	0.002	0.000	0.000	0.000	0.460
CEMENT CREEK	M-2A	07-Jul-97	09:50:00	GN		0.018	13.00	5.7	5.4	110							
CEMENT CREEK	M-2A	10-Sep-97	11:30:00	GN		0.011	7.50	8.0	4.0	150							
CEMENT CREEK	M-2A	07-Jul-98	10:30:00	GN		0.022	15.50	4.8	2.8	110							
CEMENT CREEK	M-2A	11-Sep-98	11:50:00	GN		0.013	8.74	8.7	4.1	190							
CEMENT CREEK	M-2A	09-Jul-99	09:45:00	GN	IML	0.027	19.00	5.5	3.3	120	0.39	0.001	0.02	0.13	0.19	0.05	0.81
CEMENT CREEK	M-2A	03-Sep-99	08:20:00	GN		0.032	22.00	6.2	4.1	170							
CEMENT CREEK	M-2A	13-Jul-00	10:45:00	GN		0.015	10.00	8.3	4.6	140							
CEMENT CREEK	M-2A	12-Sep-00	08:45:00	GN		0.015	10.00	8.0	4.4	220							
CEMENT CREEK	M-2A	09-Jul-01	13:00:00	GN EN		0.017	11.46	10.4	3.5	150							
CEMENT CREEK	M-2A	30-Aug-01	09:45:00	GN EN		0.008	5.54	9.8	4.0	200							

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgs	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	M-1	30-Jul-92	10:00:00	GN	IML	0.003	2.22	4.5	2.8	1280	6.8	0.195	10.3	84.2	0.23	10.6	38.00
CEMENT CREEK	M-1	23-Sep-92	12:45:00	GN	IML	0.012	2.38	5.8	3.0	1460	8.1	0.20	9.67	63.00	0.29	10.70	33.70
CEMENT CREEK	M-1	02-Aug-93	11:30:00	JP	IML	0.019	13.20	5.0	2.7	1260	7.5	0.22	11.3	85.5	0.32	13.1	44.60
CEMENT CREEK	M-1	17-Sep-93	12:30:00	GN	IML	0.010	6.60	4.6	2.8	1140	6.8	0.21	8.75	81.8	0.258	13.7	45.60
CEMENT CREEK	M-1	28-Jun-94	11:30:00	JP	IML	0.017	11.70	5.0	2.6	880		0.11	8.06	49.00	0.307	7.23	25.00
CEMENT CREEK	M-1	09-Sep-94	11:45:00	GN	IML	0.009	5.54	5.1	2.7	1020	6.3	0.157	6.69	45.70	0.187	9.57	30.00
CEMENT CREEK	M-1	23-Aug-95	10:45:00	GN	IML	0.026	18.00	5.3	2.9	1100	6.4	0.21	9.17	58.80	0.22	15.5	42.10
CEMENT CREEK	M-1	20-Sep-95	10:15:00	GN	IML	0.026	18.00	4.8	2.5	1150	7.4	0.01	8.4	58.40	0.2	20	49.90
CEMENT CREEK	M-1	16-Jul-98	14:15:00	GN	IML	0.010	6.60	10.0	3.2	1030	5.9	0.214	9.26	50.70	0.299	11.6	37.00
CEMENT CREEK	M-1	23-Sep-98	14:30:00	GN	IML	0.014	9.81	7.0	2.4	960	5.47	0.157	5.42	40.00	0.236	9.53	30.30
SAMPLE COUNT						10	10	10	10	10	9	10	10	10	10	10	10
AVERAGE						0.014	9.40	5.8	2.77	1128	6.74	0.168	8.702	55.490	0.255	12.153	37.620
Std.Dev.						0.007	5.47	1.6	0.24	162	0.78	0.062	1.615	8.251	0.045	3.445	7.560
Max.						0.026	18.00	10.0	3.24	1460	8.10	0.220	11.300	85.800	0.320	20.000	49.900
Min.						0.003	2.22	4.5	2.43	880	5.47	0.010	5.420	40.000	0.187	7.230	25.000
CEMENT CREEK	M-1	07-Jul-97	10:10:00	GN	IML	0.003	18.30	6.2	2.2	880	5.38	0.075	4.00	54.80	0.253	11.9	35.00
CEMENT CREEK	M-1	10-Sep-97	11:50:00	GN	IML	0.024	16.80	7.5	2.3	980	5.78	<.004	4.71	53.10	0.3	20.5	45.70
CEMENT CREEK	M-1	07-Jul-98	10:45:00	GN	IML	0.10	69.00	5.60	1.09	750	4.45	0.10	6.10	49.60	0.30	14.40	34.20
CEMENT CREEK	M-1	11-Sep-98	12:35:00	GN		0.02	16.61	7.10	1.86	830							
CEMENT CREEK	M-1	09-Jul-99	10:30:00	GN		0.050	35.00	7.5	2.1	1650							
CEMENT CREEK	M-1	03-Sep-99	10:00:00	GN	IML	0.200	141.00	7.2	2.7	1730	44.8	<.001	17.2	127	0.27	31.6	106
CEMENT CREEK	M-1	01-Oct-99	09:45:00	GN	IML	0.200	142.00	6.8	2.4	1780	46	2.01	15.1	117	0.19	35.5	108
CEMENT CREEK	M-1	08-Nov-99	11:00:00	GN		0.144	100.00	8.7	2.2	1750							
CEMENT CREEK	M-1	04-Aug-00	09:15:00	GN	IML	0.188	129.00	14.5	2.8	1210	16	0.66	4.47	56.3	0.158	26.4	56.5
CEMENT CREEK	M-1	12-Sep-00	09:15:00	GN	IML	0.200	139.00	7.0	2.8	1320	15.2	0.655	4.59	57.0	0.177	26.7	55.4
CEMENT CREEK	M-1	09-Jul-01	11:15:00	GN EN	IML	0.358	249.00	10.0	2.7	1030	8.5	0.352	3.2	40.4	0.139	21	38
CEMENT CREEK	M-1	30-Aug-01	10:00:00	GN EN	IML	0.229	159.18	10.3	2.7	1130	10.1	0.417	3.18	42.3	0.15	22.9	42.1
CEMENT CREEK	M-1	01-Nov-01	11:30:00	GN EN	IML	0.300	211.00	8.9	3.3	1020	7.21	0.472	2.05	39.1	<.005	22	43.3
CEMENT CREEK	M-1	06-Mar-02	11:30:00	GN EN	IML	ND	ND	13.8	3.3	940	6.23	0.365	1.35	32.7	0.128	23	37.5

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
CEMENT CREEK	S-13	15-Jul-93	13:00:00	JP	IML	0.001	0.73	8.4	3.3	290	2.7	0.02	0.07	3.14	0.13	4.3
CEMENT CREEK	S-13	17-Sep-93	13:00:00	GN		dry										
CEMENT CREEK	S-13	28-Jun-94	15:00:00	JP	IML	0.005	3.71	13.5	3.1	260		0.019	0.115	3.65	0.11	5.1
CEMENT CREEK	S-13	20-Sep-95	10:30:00	GN		NO FLOW										
CEMENT CREEK	S-13	16-Jul-96	14:45:00	JP	IML	0.000	1.00	7.9	3.0	290	2.89	0.019	0.09	1.37	0.146	4.36
CEMENT CREEK	S-13	23-Sep-96	15:00:00	GN		NO FLOW										
SAMPLE COUNT						6										
AVERAGE						0.001	1.360	9.933	3.137	280.000	1.797	0.019	0.092	2.720	0.129	4.587
Std.Dev.						0.002	1.406	2.530	0.113	14.142	1.270	0.000	0.018	0.977	0.016	0.364
Max.						0.005	3.710	13.500	3.290	290.000	2.700	0.020	0.115	3.650	0.146	5.100
Min.						0.000	0.000	7.900	3.020	260.000	0.000	0.019	0.070	1.370	0.110	4.300
CEMENT CREEK	S-13	07-Jul-97	10:35:00	GN		0.006	4.00	7.6	2.79	230						
CEMENT CREEK	S-13	10-Sep-97	12:15:00	GN		NO FLOW	DRY									
CEMENT CREEK	S-13	07-Jul-98	11:15:00	GN		0.0036	2.5	5.9	1.47	210						
CEMENT CREEK	S-13	11-Sep-98	12:15:00	GN		NO FLOW										
CEMENT CREEK	S-13	09-Jul-99	10:50:00	GN		0.004	3	8.7	2.53	240						
CEMENT CREEK	S-13	03-Sep-99	10:15:00	GN		NO FLOW	DRY									
CEMENT CREEK	S-13	13-Jul-00	11:15:00	GN		NO FLOW	STAND. H2O	9.1	3.04	320						
CEMENT CREEK	S-13	12-Sep-00	10:00:00	GN		NO FLOW	DRY									
CEMENT CREEK	S-13	09-Jul-01	11:45:00	GN EN	IML	0.0004	0.26	15.6	2.84	270	2.46	0.017	0.07	1.8	0.124	4.15



BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
						GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	S-4	17-Sep-93	13:15:00	GN	IML	0.000	0.18	5.3	3.1	420	2.8	0.017	0.7	16	0.027	1.17	2.58
CEMENT CREEK	S-4	29-Jun-94	15:00:00	JP	IML	0.022	15.28	10.5	3.2	640	5.4	0.02	1.6	33.1	0.024	1.83	4.76
CEMENT CREEK	S-4	31-Aug-95	13:45:00	GN	IML	0.007	5.00	9.3	3.3	410	2.8	0.01	0.439	13.8	0.02	1.14	2.26
CEMENT CREEK	S-4	20-Sep-95	11:00:00	GN	IML	0.014	10.00	5.2	2.9	380	2.44	0.01	0.45	13.4	0.02	1.03	2.06
CEMENT CREEK	S-4	18-Jul-96	15:00:00	GN	IML	0.016	11.32	5.9	3.1	480	3.5	0.016	0.87	22.5	0.042	1.31	3.1
CEMENT CREEK	S-4	08-Oct-96	11:00:00	GN		NO FLOW											
SAMPLE COUNT						8	5	5	5	5	5	5	5	5	5	5	5
AVERAGE						0.010	8.356	7.240	3.114	466.000	3.388	0.016	0.812	19.760	0.027	1.296	2.952
Std.Dev.						0.008	5.244	2.218	0.142	92.865	1.063	0.004	0.426	7.424	0.008	0.282	0.970
Max.						0.022	15.278	10.500	3.320	640.000	5.400	0.020	1.600	33.100	0.042	1.830	4.760
Min.						0.000	0.180	5.200	2.880	380.000	2.440	0.010	0.439	13.400	0.020	1.030	2.060
CEMENT CREEK	S-4	07-Jul-97	11:00:00	GN		0.029	20.00	7.7	2.8	550							
CEMENT CREEK	S-4	10-Sep-97	13:00:00	GN		0.013	8.75	9.0	3.0	350							
CEMENT CREEK	S-4	10-Jul-98	09:15:00	GN		0.020	14.28	6.3	2.3	380							
CEMENT CREEK	S-4	11-Sep-98	13:00:00	GN		0.005	3.48	8.5	2.5	360							
CEMENT CREEK	S-4	09-Jul-99	11:30:00	GN	IML	0.044	30.00	6.3	2.4	570	4.21	0.004	1.01	26.2	0.05	1.65	3.67
CEMENT CREEK	S-4	03-Sep-99	10:45:00	GN		0.028	19.00	6.2	3.3	320							
CEMENT CREEK	S-4	13-Jul-00	11:30:00	GN		0.018	20.00	6.6	3.8	370							
CEMENT CREEK	S-4	12-Sep-00	10:15:00	GN		0.006	4.50	6.0	3.2	310							
CEMENT CREEK	S-4	09-Jul-01	13:30:00	GN EN		0.530	37.10	10.8	2.8	330							
CEMENT CREEK	S-4	14-Sep-01	11:15:00	GN EN		0.011	7.27	11.2	3.7	270							

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted													+++++	+++++	+++++	+++++	+++++	+++++
							GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn	
CEMENT CREEK	S-9	02-Aug-93	11:00:00	JP	IML	0.005	3.71	4.0	3.6	550	4.6	0.05	0.12	16.7	0.13	3.63	15.7	
CEMENT CREEK	S-9	24-Sep-93	11:00:00	GN	IML	0.002	1.15	3.8	3.8	430		0.057	0.08	14.2	0.126	2.69	3.6	
CEMENT CREEK	S-9	29-Jun-94	16:00:00	JP	IML	0.007	4.58	5.0	3.7	500		0.054	0.1	13.2	0.09	356	5.24	
CEMENT CREEK	S-9	09-Sep-94	14:00:00	GN	IML	0.000	0.13	7.4	6.6	420	3.4	0.003	0.07	10.31	0.152	2.48	3.9	
CEMENT CREEK	S-9	03-Aug-95	14:00:00	GN	IML	0.003	2.00	5.4	4.3	600	5.29	0.089	0.122	22.3	0.093	4.52	7.35	
CEMENT CREEK	S-9	20-Sep-95	10:30:00	GN	IML	0.003	2.00	5.1	3.5	500	3.61	0.056	0.103	14.6	0.08	2.81	4.71	
CEMENT CREEK	S-9	17-Jul-96	13:45:00	GN	IML	0.000	0.12	8.0	4.1	450	3.88	0.051	0.08	9.93	0.098	2.85	4.82	
CEMENT CREEK	S-9	08-Oct-96	10:45:00	GN		NO FLOW												
		SAMPLE COUNT				8	7	7	7	7	5	7	7	7	7	7	7	
		AVERAGE				0.002	1.955	5.529	4.231	492.857	4.156	0.051	0.096	14.463	0.110	53.569	6.446	
		Std.Dev.				0.002	1.674	1.484	0.999	60.878	0.697	0.023	0.019	3.890	0.024	123.489	3.943	
		Max.				0.007	4.580	8.000	6.590	800.000	5.290	0.089	0.122	22.300	0.152	356.000	15.700	
		Min.				0.000	0.120	3.800	3.520	420.000	3.400	0.003	0.070	9.930	0.080	2.480	3.600	
CEMENT CREEK	S-9	07-Jul-97	11:15:00	GN		0.004	3.00	4.08	4.08	530								
CEMENT CREEK	S-9	10-Sep-97	13:30:00	GN		0.001	1.00	8.0	3.97	480								
CEMENT CREEK	S-9	10-Jul-98	09:30:00	GN		0.002	1.5	5.3	3.82	380								
CEMENT CREEK	S-9	11-Sep-98	13:10:00	GN		0.0007	0.5	7.4	3.52	400								
CEMENT CREEK	S-9	12-Jul-99	09:00:00	GN	IML	0.0015	1	5.3	3.29	470	4.18	0.004	0.014	7.92	0.065	2.97	4.82	
CEMENT CREEK	S-9	14-Sep-99	10:00:00	GN		0.003	2	7.1	4.07	450								
CEMENT CREEK	S-9	13-Jul-00	11:45:00	GN		0.003	2	8.6	3.76	370								
CEMENT CREEK	S-9	12-Sep-00	10:30:00	GN		0.0007	0.5	6.0	3.93	330								
CEMENT CREEK	S-9	26-Jun-01	11:00:00	GN		0.004	3	5.3	4.28	420								
CEMENT CREEK	S-9	14-Sep-01	11:30:00	GN EN		0.0007	0.45	11.5	3.81	330								

BACKGROUND WATER INVENTORY THROUGH 1996  
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SUNNYSIDE GOLD CORP.  
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DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	LM-1	30-Jul-92	11:00:00	GN	IML	2.900	2014.00	8.7	5.9	190	0.7	0.006	0.17	0.17	0.01	0.75	1.45
CEMENT CREEK	LM-1	23-Sep-92	13:45:00	GN	IML	0.540	375.00	11.8	4.4	320	1.30	0.01	0.23	0.08	<.02	0.60	2.29
CEMENT CREEK	MS-1	30-Jul-92	11:30:00	GN	IML	0.014	9.58	20.7	5.5	270	1.70	<.002	0.05	0.12	0.01	0.49	0.90
CEMENT CREEK	MS-1	24-Sep-92	11:15:00	GN	IML	0.012	8.33	6.4	5.5	260	1.70	<.002	0.02	0.09	<.02	0.42	0.65
CEMENT CREEK	MS-1	21-Sep-93	14:00:00	GN	IML	0.003	2.45	17.2	5.1	270		0.002	<.001	<.05	<.005	0.55	0.49
CEMENT CREEK	MS-1	22-Jul-94	13:00:00	JP	IML	0.008	5.54	26.0	4.1	240		0.002	<.001	<.05	<.005	0.55	0.49
CEMENT CREEK	MS-1	04-Oct-94	14:00:00	GN	IML	0.012	8.33	11.7	5.9	210	0.94	0.002	0.012	0.095	<.005	0.359	0.455
CEMENT CREEK	MS-1	30-Aug-95	13:30:00	GN	IML	0.020	14.00	22.4	4.8	260	2.3	0.003	0.123	0.08	0.006	0.54	1.06
CEMENT CREEK	MS-1	20-Sep-95	12:00:00	GN	IML	0.014	10.00	9.6	4.9	250	2.00	0.002	0.036	0.05	<.005	0.48	0.75
CEMENT CREEK	MS-1	17-Jul-96	14:15:00	GN	IML	0.0190	13.34	20.0	5.1	210	1.79	0.002	0.06	0.12	0.005	0.52	0.75
CEMENT CREEK	MS-1	19-Sep-96	11:30:00	GN	IML	0.009	5.88	4.0	6.2	120	0.89	<.001	0.007	0.14	<.005	0.52	0.12
SAMPLE COUNT						9	9	9	9	9	7	9	9	9	9	9	9
AVERAGE						0.012	8.606	16.333	5.218	232.222	1.589	0.001	0.034	0.077	0.002	0.492	0.629
Std.Dev.						0.005	3.485	7.243	0.579	45.181	0.530	0.001	0.037	0.048	0.003	0.061	0.262
Max.						0.020	14.000	26.000	6.150	270.000	2.300	0.003	0.123	0.140	0.010	0.550	1.060
Min.						0.003	2.450	4.000	4.110	120.000	0.890	0.000	0.000	0.000	0.000	0.359	0.120
CEMENT CREEK	MS-1	07-Jul-97	12:20:00	GN	IML	0.062	43.00	14.2	4.5	180	2.85	0.006	<1	0.08	0.006	0.83	1.44
CEMENT CREEK	MS-1	26-Sep-97	09:30:00	GN	IML	0.035	24.00	8.9	5.2	170	2.18	0.003	0.03	0.08	0.006	0.39	0.78
CEMENT CREEK	MS-1	10-Jul-98	09:45:00	GN		0.050	36.50	12.3	4.0	110							
CEMENT CREEK	MS-1	30-Sep-98	10:15:00	GN	IML	0.019	13.00	7.4	5.5	120							
CEMENT CREEK	MS-1	12-Jul-99	09:45:00	GN		0.089	48.00	11.1	3.9	150							
CEMENT CREEK	MS-1	14-Sep-99	10:30:00	GN		0.033	23.00	11.8	4.7	180							
CEMENT CREEK	MS-1	18-Jul-00	09:45:00	GN		0.023	16.00	13.3	4.8	190							
CEMENT CREEK	MS-1	12-Sep-00	11:15:00	GN		0.012	8.00	11.0	5.2	200							
CEMENT CREEK	MS-1	26-Jun-01	11:00:00	GN		0.074	52.00	10.5	3.9	190							
CEMENT CREEK	MS-1	17-Sep-01	10:45:00	GN EN		0.140	103.17	11.9	4.1	240							

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
		GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	MS-2	30-Jul-92	11:45:00	GN	IML	0.008	5.83	13.9	6.0	110	0.50	<.002	<.01	<.05	0.01	<.02	0.36
CEMENT CREEK	MS-2	24-Sep-92	11:15:00	GN	IML	0.010	4.10	6.1	5.8	130	0.70	<.002	<.01	<.05	<.02	<.02	0.36
CEMENT CREEK	MS-2	21-Sep-93	14:15:00	GN	IML	0.005	3.71	14.1	4.7	120		<.002	<.001	<.05	<.005	0.03	0.43
CEMENT CREEK	MS-2	22-Jul-94	14:00:00	JP	IML	0.003	2.24	18.5	4.1	90		<.002	<.001	<.05	<.005	0.03	0.43
CEMENT CREEK	MS-2	04-Oct-94	14:30:00	GN	IML	0.012	8.33	8.9	5.5	130	0.36	<.002	0.008	<.05	<.005	0.187	0.565
CEMENT CREEK	MS-2	30-Aug-95	13:45:00	GN	IML	0.009	6.00	16.7	5.4	100	0.5	<.002	0.003	<.05	<.005	0.02	0.43
CEMENT CREEK	MS-2	20-Sep-95	12:30:00	GN	IML	0.006	4.50	8.5	4.7	110	0.4	0.003	0.011	<.05	<.005	0.03	1.09
CEMENT CREEK	MS-2	17-Jul-96	14:30:00	GN	IML	0.011	7.78	14.0	5.5	90	0.6	<0.001	0.002	<.025	<.005	0.02	0.44
CEMENT CREEK	MS-2	19-Sep-96	11:45:00	GN	IML	0.0069	4.8	8	5.86	120	0.76	<.001	0.004	<.025	<.005	0.16	0.58
SAMPLE COUNT						9	9	9	9	9	7	9	9	9	9	9	9
AVERAGE						0.008	5.253	12.076	5.286	111.111	0.646	0.000	0.003	0.000	0.001	0.063	0.521
Std.Dev.						0.003	1.833	4.069	0.812	14.487	0.138	0.001	0.004	0.000	0.003	0.066	0.214
Max.						0.012	8.333	18.500	6.000	130.000	0.750	0.003	0.011	0.000	0.010	0.187	1.090
Min.						0.003	2.240	6.100	4.120	90.000	0.360	0.000	0.000	0.000	0.000	0.000	0.360
CEMENT CREEK	MS-2	07-Jul-97	12:30:00	GN	IML	0.038	26	7.7	4.99	70	0.48	<.001	<.01	<.02	<.005	0.01	0.38
CEMENT CREEK	MS-2	26-Sep-97	09:45:00	GN	IML	0.023	16	7.5	5.34	110	0.62	0.003	<.01	<.02	<.005	<.005	0.47
CEMENT CREEK	MS-2	10-Jul-98	10:00:00	GN		0.03	21.3	7.4	4.42	50							
CEMENT CREEK	MS-2	30-Sep-98	10:30:00	GN		0.006	4	6.6	5.06	110							
CEMENT CREEK	MS-2	12-Jul-99	10:00:00	GN	IML	0.04	28	7.9	4.31	60	0.39	<.001	<.01	0.05	0.006	0.01	0.32
CEMENT CREEK	MS-2	14-Sep-99	10:45:00	GN		0.013	9	9.6	4.87	120							
CEMENT CREEK	MS-2	18-Jul-00	10:00:00	GN		0.01	8	11.7	4.80	100							
CEMENT CREEK	MS-2	12-Sep-00	11:30:00	GN		0.007	5.3	11.0	4.84	120							
CEMENT CREEK	MS-2	26-Jun-01	11:15:00	GN		0.03	21	7	5.02	70							
CEMENT CREEK	MS-2	17-Sep-01	11:00:00	GN EN		0.0058	4.03	12.8	4.69	120							

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

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SILVERTON, COLORADO

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DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
CEMENT CREEK	MS-3	30-Jul-92	12:00:00	GN	IML	0.005	3.75	11.2	4.9	70	0.90	0.0030	0.05	<.05	<.01	0.42
CEMENT CREEK	MS-3	24-Sep-92	11:45:00	GN	IML	0.005	3.26	8.7	4.9	100	1.10	0.0030	0.01	<.05	<.02	0.39
CEMENT CREEK	MS-3	21-Sep-93	13:15:00	GN	IML	0.003	1.80	7.9	3.7	70		0.003	0.04	<.05	<.005	0.42
CEMENT CREEK	MS-3	08-Jul-94	11:00:00	JP	IML	0.004	2.93	12.0	5.4	50		0.003	0.59	<.05	<.005	0.45
CEMENT CREEK	MS-3	03-Oct-94	14:50:00	GN	IML	0.010	6.94	8.4	3.8	60	0.54	0.003	0.05	<.05	<.005	0.40
CEMENT CREEK	MS-3	30-Aug-95	14:15:00	GN	IML	0.006	4.00	12.3	4.33	50	0.8	0.00	0.047	<0.05	<0.005	0.38
CEMENT CREEK	MS-3	21-Sep-95	12:00:00	GN	IML	0.003	2.00	6.6	2.6	50	0.8	<0.002	0.041	<0.05	<0.005	0.41
CEMENT CREEK	MS-3	17-Jul-96	15:00:00	GN	IML	0.005	3.47	12	4.8	50	0.81	0.002	0.05	<0.025	<0.005	0.41
CEMENT CREEK	MS-3	19-Sep-96	12:45:00	GN	IML	0.002	1.35	6	5.16	50	0.89	0.002	0.04	<.025	<.005	0.4
SAMPLE COUNT						9	9	9	9	9	7	8	9	9	9	9
AVERAGE						0.005	3.278	9.011	4.403	61.111	0.413	0.002	0.102	0.000	0.000	0.409
Std.Dev.						0.002	1.559	2.619	0.840	15.947	0.481	0.001	0.173	0.000	0.000	0.087
Max.						0.010	6.944	12.300	5.400	100.000	1.100	0.003	0.590	0.000	0.000	0.450
Min.						0.002	1.350	6.000	2.800	50.000	0.000	0.000	0.010	0.000	0.000	0.380
CEMENT CREEK	MS-3	07-Jul-97	13:25:00	GN	IML	0.040	27.00	8.4	5.47	40	0.68	0.002	<1	<.02	<.005	0.33
CEMENT CREEK	MS-3	28-Sep-97	10:15:00	GN	IML	0.023	16.00	7	4.53	40	0.93	0.003	0.04	<.02	<.005	0.32
CEMENT CREEK	MS-3	07-Jul-98	09:45:00	GN		0.030	21.00	8.1	3.51	40						
CEMENT CREEK	MS-3	30-Sep-98	11:00:00	GN		0.007	0.50	6.4	4.56	50						
CEMENT CREEK	MS-3	01-Jul-99	10:45:00	GN		0.110	79.00	19.5	4.37	40						
CEMENT CREEK	MS-3	14-Sep-99	11:15:00	GN		0.008	5.56	8.7	4.45	40						
CEMENT CREEK	MS-3	18-Jul-00	10:30:00	GN		0.003	2.00	10.6	5.00	40						
CEMENT CREEK	MS-3	12-Sep-00	11:45:00	GN		0.002	1.36	10.0	4.18	50						
CEMENT CREEK	MS-3	28-Jun-01	10:45:00	GN		0.016	11.68	8.5	4.47	40						
CEMENT CREEK	MS-3	17-Sep-01	11:20:00	GN EN		0.001	0.81	12	4.4	40						

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DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	RB-1	26-Jun-97	13:00:00	GN	IML	0.025	17.00	7.8	2.3	850	15.1	0.04	0.6	0.51	<.05	1.26	9.91
CEMENT CREEK	RB-1	10-Sep-97	14:00:00	GN		DRY											
CEMENT CREEK	RB-1	29-Jun-98	13:45:00	GN			1.00	11.0	1.7	700							
CEMENT CREEK	RB-1	30-Sep-98	11:15:00	GN		DRY											
CEMENT CREEK	RB-1	01-Jul-99	11:10:00	GN		DRY											
CEMENT CREEK	RB-1	10-Sep-99	12:00:00	GN		DRY											
CEMENT CREEK	RB-1	18-Jul-00	11:45:00	GN		DRY											
CEMENT CREEK	RB-1	18-Sep-00	11:45:00	GN		DRY											
CEMENT CREEK	RB-1	25-Jun-01	11:15:00	GN		DRY											
CEMENT CREEK	RB-1	17-Sep-01	12:30:00	GN EN		DRY											

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												mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	S-5	15-Jul-93	14:30:00	JP	IML	0.016	11.00	12.0	8.9	1010	<.1	<.002	0.00	0.84	<.005	1.22	0.18
CEMENT CREEK	S-5	11-Aug-93	14:00:00	JP	IML	0.016	11.00	11.0	7.0	1080	<.1	<.002	<.001	0.75	<.005	1.08	0.12
CEMENT CREEK	S-5	21-Sep-93	13:00:00	GN	IML	0.023	18.00	7.7	7.0	1080	<.1	<.002	<.001	0.81	<.005	1.10	0.16
CEMENT CREEK	S-5	17-Jul-98	16:00:00	JP	IML	0.018	12.40	11.5	7.79	1030	<.1	<.002	<.001	0.55	<.005	0.98	0.15
CEMENT CREEK	S-5	03-Oct-94	15:00:00	GN	IML	0.020	13.89	6.2	6.58	1100	<.1	<.002	<.001	0.58	<.005	1.02	0.09
CEMENT CREEK	S-5	30-Aug-95	14:00:00	GN	IML	0.022	15.00	10.7	6.97	1020	<.1	<.002	0.001	0.83	<.005	1.1	<.002
CEMENT CREEK	S-5	21-Sep-95	11:40:00	GN	IML	0.022	15.00	7.9	6.89	1020	<.1	<.002	<.001	0.89	<.005	1.09	0.15
CEMENT CREEK	S-5	17-Jul-98	14:45:00	GN	IML	0.022	14.97	10	7.01	1010	<.05	0.001	<.001	0.75	<.005	1.17	0.15
CEMENT CREEK	S-5	19-Sep-98	12:30:00	GN	IML	0.022	14.90	9	6.99	1020	0.09	<.001	<.001	0.59	<.005	1.09	0.13
SAMPLE COUNT						9	9	9	9	9	8	9	9	9	9	9	9
AVERAGE						0.020	13.795	9.556	7.008	1041.111	0.011	0.000	0.000	0.088	0.000	1.094	0.128
Std.Dev.						0.003	1.762	1.859	0.303	33.148	0.030	0.000	0.000	0.185	0.000	0.067	0.051
Max.						0.023	16.000	12.000	7.790	1100.000	0.090	0.000	0.001	0.590	0.000	1.220	0.180
Min.						0.016	11.000	6.200	6.580	1010.000	0.000	0.000	0.000	0.000	0.000	0.980	0.000
CEMENT CREEK	S-5	07-Jul-97	13:10:00	GN	IML	0.023	16.00	8.5	6.18	970	0.51	<.001	<.1	0.82	<.005	1.27	0.17
CEMENT CREEK	S-5	28-Sep-97	10:00:00	GN	IML	0.022	15.00	7.9	6.96	960	<.05	<.001	<.01	0.84	<.005	1.25	0.16
CEMENT CREEK	S-5	07-Jul-98	09:30:00	GN	IML	0.023	16.00	8	5.91	940	<.05	<.001	0.02	0.79	<.005	3.91	0.19
CEMENT CREEK	S-5	30-Sep-98	10:45:00	GN		0.019	13.00	7.4	6.94	990	0.09	<.001	0.01	0.3	<.005	0.48	0.04
CEMENT CREEK	S-5	01-Jul-99	10:45:00	GN		0.018	13.00	24.3	6.77	1000							
CEMENT CREEK	S-5	14-Sep-99	11:00:00	GN		0.020	15.00	9.4	6.59	920							
CEMENT CREEK	S-5	18-Jul-00	10:30:00	GN		0.009	8.00	10.5	6.38	930							
CEMENT CREEK	S-5	12-Sep-00	12:00:00	GN		0.021	14.50	9.0	6.16	1010							
CEMENT CREEK	S-5	26-Jun-01	10:30:00	GN		0.008	6.34	8.9	6.97	930							
CEMENT CREEK	S-5	17-Sep-01	11:30:00	GN EN		0.013	9.04	11.2	6.61	940							

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	S-6	15-Jul-93	15:30:00	JP	IML	0.002	1.85	10.0	2.7	970	26.20	0.06	0.88	12.10	0.04	2.74	21.90
CEMENT CREEK	S-6	21-Sep-93	10:45:00	GN	IML	0.001	0.41	7.2	2.7	590		0.06	0.68	0.55	0.03	2.26	13.50
CEMENT CREEK	S-6	17-Jun-94	13:30:00	JP	IML	0.005	3.71	12.0	2.9	930	33.40	0.08	1.08	15.40	0.03	2.34	25.50
CEMENT CREEK	S-6	03-Oct-94	14:00:00	GN	IML	0.000	0.21	6.7	3.1	530	14.60	0.07	0.73	0.41	0.02	2.04	11.20
CEMENT CREEK	S-6	03-Aug-95	13:30:00	GN	IML	0.012	8.00	8.9	3.1	900	25.20	0.07	0.97	18.20	0.03	2.44	23.20
CEMENT CREEK	S-6	21-Sep-95	13:00:00	GN	IML	0.003	2.00	8.3	2.6	540	20.00	0.06	0.75	0.53	0.02	2.53	13.70
CEMENT CREEK	S-6	18-Jul-96	13:00:00	GN	IML	0.003	2.13	10.0	3.1	530	18.80	0.05	0.74	3.00	0.04	2.11	14.90
CEMENT CREEK	S-6	08-Oct-96	11:30:00	GN	IML	0.000	0.001	6.0	3.3	510	19.80	0.04	0.93	0.34	0.02	2.16	12.30
SAMPLE COUNT						8	8	8	8	8	7	8	8	8	8	8	8
AVERAGE						0.003	2.264	8.638	2.925	687.500	22.571	0.062	0.845	6.318	0.028	2.328	17.025
Std.Dev.						0.004	2.456	1.870	0.242	192.403	5.725	0.011	0.133	7.120	0.009	0.220	5.220
Max.						0.012	8.000	12.000	3.280	970.000	33.400	0.080	1.080	18.200	0.041	2.740	25.500
Min.						0.000	0.001	6.000	2.600	510.000	14.600	0.043	0.681	0.340	0.015	2.040	11.200
CEMENT CREEK	S-6	26-Jun-97	11:50:00	GN	IML	0.018	12.28	7.6	2.2	920	28.10	0.07	1.00	25.50	<.05	2.40	24.10
CEMENT CREEK	S-6	29-Sep-97	12:15:00	GN	IML	0.005	3.25	8.8	2.9	560	21.20	<.001	0.71	1.31	0.02	2.74	14.10
CEMENT CREEK	S-6	07-Jul-98	09:15:00	GN		0.005	3.14	5.7	1.2	570	19.50	0.05	0.68	2.55	0.02	5.02	15.60
CEMENT CREEK	S-6	30-Sep-98	11:30:00	GN	IML	0.001	0.50	10.0	2.3	480	8.92	0.04	0.30	0.23	0.01	1.20	5.78
CEMENT CREEK	S-6	01-Jul-99	09:30:00	GN		0.030	21.00	11.3	2.5	460							
CEMENT CREEK	S-6	15-Sep-99	11:15:00	GN		0.007	5.00	7.8	2.8	580							
CEMENT CREEK	S-6	18-Jul-00	11:00:00	GN		0.001	1.00	12.4	3.0	440							
CEMENT CREEK	S-6	18-Sep-00	11:15:00	GN		0.001	1.00	11.0	2.8	440							
CEMENT CREEK	S-6	25-Jun-01	11:15:00	GN		0.011	7.930	8.9	2.8	550							
CEMENT CREEK	S-6	17-Sep-01	11:45:00	GN EN		0.0006	0.429	11.4	3.1	450							



BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
CEMENT CREEK	S-7	16-Jul-93	10:00:00	JP	IML	0.001	0.73	8.0	2.5	1030	36.20	0.07	0.93	25.60	0.04	31.80
CEMENT CREEK	S-7	21-Sep-93	10:30:00	GN	IML	0.000	0.05	5.5	2.5	910		0.07	0.54	13.90	0.05	24.30
CEMENT CREEK	S-7	17-Jun-94	13:45:00	JP	IML	0.002	1.65	14.5	2.9	950	46.30	0.09	1.02	25.00	0.03	2.83
CEMENT CREEK	S-7	03-Oct-94	13:30:00	GN	IML	0.000	0.28	6.9	3.0	900	27.70	0.08	0.58	9.73	0.03	3.24
CEMENT CREEK	S-7	03-Aug-95	13:00:00	GN	IML	0.001	0.73	8.2	3.0	1050	41.90	0.09	0.85	31.20	0.04	3.00
CEMENT CREEK	S-7	21-Sep-95	13:25:00	GN/CM	IML	0.001	1.00	7.4	2.4	980	40.00	0.08	0.72	24.90	0.04	4.08
CEMENT CREEK	S-7	18-Jul-96	13:15:00	GN	IML	0.001	0.44	9.0	2.8	840	35.60	0.07	0.61	14.80	0.03	3.24
CEMENT CREEK	S-7	08-Oct-96	11:30:00	GN	IML	0.000	<1	7.0	2.9	820	34.40	0.05	0.50	6.59	0.02	3.56
SAMPLE COUNT						8	8	8	8	8	7	8	8	8	8	8
AVERAGE						0.001	0.609	8.313	2.755	935.000	37.443	0.073	0.720	18.965	0.035	3.275
Std.Dev.						0.001	0.511	2.533	0.232	77.942	5.529	0.013	0.181	8.267	0.009	0.394
Max.						0.002	1.650	14.500	3.020	1050.000	46.300	0.090	1.020	31.200	0.052	4.080
Min.						0.000	0.000	5.500	2.400	820.000	27.700	0.048	0.504	6.590	0.024	2.830
CEMENT CREEK	S-7	26-Jun-97	12:00:00	GN	IML	0.002	1.5	5.4	2.26	920	43.00	0.07	0.78	19.9	< 0.05	2.81
CEMENT CREEK	S-7	29-Sep-97	12:00:00	GN	IML	0.001	0.72	9.5	2.58	900	38.00	< 0.01	0.53	22.3	0.028	4.11
CEMENT CREEK	S-7	07-Jul-98	08:45:00	GN		0.001	0.87	6.2	1.04	790						27.00
CEMENT CREEK	S-7	30-Sep-98	12:00:00	GN		0.0002	0.15	8.7	2.09	710						
CEMENT CREEK	S-7	01-Jul-99	09:40:00	GN		0.0009	0.64	12.4	2.33	910						
CEMENT CREEK	S-7	15-Sep-99	11:00:00	GN		0.0008	0.54	8.6	2.59	880						
CEMENT CREEK	S-7	18-Jul-00	11:50:00	GN		0.001	1.0	12.0	2.72	710						
CEMENT CREEK	S-7	18-Sep-00	11:00:00	GN		0.0004	0.25	10.5	2.52	700						
CEMENT CREEK	S-7	25-Jun-01	11:00:00	GN		0.001	1	9.1	2.64	850						
CEMENT CREEK	S-7	17-Sep-01	12:00:00	GN EN		0.0002	0.14	11.7	2.81	130						

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted												+++++	+++++	+++++	+++++	+++++	+++++	
												mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn	
CEMENT CREEK	S-8	16-Jul-93	10:00:00	JP	IML	0.001	0.73	10.0	2.9	560	17.10	0.05	0.70	1.13	0.03	1.81	14.10	
CEMENT CREEK	S-8	21-Sep-93	11:00:00	GN	IML	0.000	0.18	7.3	2.6	560		0.05	0.48	0.82	0.04	1.83	12.00	
CEMENT CREEK	S-8	17-Jun-94	14:00:00	JP	IML	0.004	2.93	14.0	3.3	490	19.80	0.06	0.71	0.88	0.03	1.41	15.00	
CEMENT CREEK	S-8	03-Oct-94	13:45:00	GN	IML	0.000	0.21	8.3	3.1	540	9.20	0.04	0.53	0.69	0.02	1.55	8.48	
CEMENT CREEK	S-8	03-Aug-95	13:45:00	GN	IML	0.008	5.54	8.8	3.4	470	15.10	0.05	0.72	0.40	0.02	1.58	11.40	
CEMENT CREEK	S-8	21-Sep-95	13:15:00	GN	IML	0.003	2.00	7.1	2.5	590	15.00	0.05	0.51	1.10	0.03	2.22	11.20	
CEMENT CREEK	S-8	18-Jul-98	13:15:00	GN	IML	0.002	1.27	10.0	3.1	450	15.10	0.05	0.48	0.84	0.03	1.68	10.70	
CEMENT CREEK	S-8	08-Oct-98	12:30:00	GN	IML	0.000	0.0003	7.0	3.2	490	13.70	0.04	0.44	0.52	0.01	1.57	8.91	
SAMPLE COUNT						8	8	8	8	8	7	8	8	8	8	8	8	
AVERAGE						0.002	1.608	9.063	3.005	518.750	15.000	0.048	0.571	0.798	0.028	1.706	11.474	
Std.Dev.						0.003	1.782	2.179	0.313	47.021	2.995	0.007	0.110	0.239	0.007	0.234	2.116	
Max.						0.008	5.540	14.000	3.400	590.000	19.800	0.060	0.717	1.130	0.035	2.220	15.000	
Min.						0.000	0.000	7.000	2.500	450.000	9.200	0.036	0.436	0.400	0.013	1.410	8.480	
CEMENT CREEK	S-8	26-Jun-97	11:40:00	GN	IML	0.010	6.73	7.2	2.8	420	15.10	0.04	0.60	0.51	<.05	1.26	9.91	
CEMENT CREEK	S-8	29-Sep-97	12:30:00	GN	IML	0.007	4.49	8.8	2.9	510	14.80	<.001	0.49	0.70	0.02	1.90	9.47	
CEMENT CREEK	S-8	07-Jul-98	09:00:00	GN	IML	0.004	2.64	6.1	1.4	440								
CEMENT CREEK	S-8	30-Sep-98	11:45:00	GN		0.007	0.50	9.5	2.4	480								
CEMENT CREEK	S-8	01-Jul-99	11:10:00	GN		0.009	6.52	12.4	2.8	390								
CEMENT CREEK	S-8	15-Sep-99	11:30:00	GN		0.003	2.00	2.0	3.0	420								
CEMENT CREEK	S-8	18-Jul-00	11:15:00	GN		0.001	1.00	11.7	3.0	430								
CEMENT CREEK	S-8	18-Sep-00	11:30:00	GN		0.0007	0.50	10.0	2.7	420								
CEMENT CREEK	S-8	26-Jun-01	11:30:00	GN		0.002	1.1500	8.8	2.9	440								
CEMENT CREEK	S-8	17-Sep-01	12:10:00	GN EN		0.0002	0.1300	11.0	3.1	420								

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted												+++++	+++++	+++++	+++++	+++++	+++++
												mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	G.K.	19-Aug-93	10:30:00	JP	IML	0.004	2.50	5.0	1.8	7100	401.00	<.002	78.60	1771.00	0.02	105.00	237.00
CEMENT CREEK	G.K.	03-Nov-93	11:00:00	GN	IML	0.004	2.56	3.6	3.35	510	6	0.03	0.53	0.23	0.84	6.6	5.8
CEMENT CREEK	G.K.	30-Sep-93	14:00:00	GN	IML	0.003	2.00	2.4	2.4	5100		0.02	80.00	1312.00	0.01	115.00	218.00
CEMENT CREEK	G.K.	25-Jul-94	13:00:00	JP	IML	0.011	7.50	5.0	1.7	>2000		0.88	66.72	1823.00	0.44	78.60	271.00
CEMENT CREEK	G.K.	29-Sep-94	13:00:00	GN		no flow											
CEMENT CREEK	G.K.	18-Sep-95	14:45:00	GN		ND					353.00	1.47	87.80	1700.00	<0.005	107.00	236.00
CEMENT CREEK	G.K.	30-Oct-95	10:30:00	LP	IML	0.001	0.40	5.0	3.5	>1990	500.00	0.00	78.90	1750.00	<0.005	113.00	257.00
CEMENT CREEK	G.K.	25-Jun-96	11:00:00	GN	IML	0.037	26.00	4.0	1.98	>2000	500.00	1.35	79.80	1920.00	<0.005	72.70	269.00
CEMENT CREEK	G.K.	12-Sep-96	14:30:00	GN	IML	0.001	0.50	9.0	2.04	5500.0	400.00	1.09	69.60	1620.00	0.02	99.10	233.00
SAMPLE COUNT						9	9	7	7	7	6	8	8	8	8	8	8
AVERAGE						0.007	4.607	4.857	2.397	2601.429	360.000	0.605	67.744	1462.029	0.166	87.125	215.850
Std.Dev.						0.011	7.877	1.912	0.692	2916.899	167.255	0.615	26.130	576.085	0.291	33.670	81.266
Max.						0.037	26.000	9.000	3.520	7100.000	500.000	1.470	87.800	1920.000	0.840	115.000	271.000
Min.						0.000	0.000	2.400	1.690	0.000	6.000	0.000	0.530	0.230	0.000	6.600	5.800
CEMENT CREEK	G.K.	02-Jul-97	08:30:00	GN	IML	0.059	41.00	9.1	1.68	5700.0	400.00	1.20	100.00	1880.00	<.005	61.00	245.00
CEMENT CREEK	G.K.	19-Sep-97	10:00:00	GN	IML	0.006	4.47	7.0	1.68	5400.0	490.00	<.001	78.30	1090.00	6.32	96.20	223.00
CEMENT CREEK	G.K.	29-Jun-98	10:00:00	GN	IML	0.045	31.20	8.0	0.90	6400.0	321.00	1.38	71.90	1470.00	<.005	51.40	201.00
CEMENT CREEK	G.K.	11-Sep-98	13:35:00	GN		0.005	3.00	8.2	1.19	4600.0							
CEMENT CREEK	G.K.	01-Jul-99	11:10:00	GN	IML	0.050	37.00	10.7	1.35	8000.0	510.00	0.003	82.40	2310.00	0.03	70.80	282.00
CEMENT CREEK	G.K.	10-Sep-99	10:45:00	GN		0.002	15.00	7.3	1.91	5400.0							
CEMENT CREEK	G.K.	29-Jun-00	09:30:00	GN		0.086	59.00	11.1	2.34	3100.0							
CEMENT CREEK	G.K.	13-Sep-00	08:15:00	GN	IML	0.100	72.00	11.0	2.48	2200.0	63.60	0.17	14.50	206.00	0.05	38.00	40.70
CEMENT CREEK	G.K.	09-Jul-01	10:30:00	GN EN	IML	0.050	38.02	11.7	2.13	2500.0	78.40	0.21	13.20	291.00	0.04	28.40	46.10
CEMENT CREEK	G.K.	30-Aug-01	11:30:00	GN EN	IML	0.042	29.23	9.7	2.26	2400.0	54.50	0.15	13.10	207.00	0.08	38.50	40.70
CEMENT CREEK	G.K.-1	30-Jul-92	13:30:00	GN	IML	0.139	96.52	15.7	2.8	1150	29.40	0.08	4.93	104.00	0.01	5.58	15.60
CEMENT CREEK	G.K.-1	24-Sep-92	12:00:00	GN	IML	0.023	16.00	4.9	3.1	1530	46.30	0.12	6.27	146.00	<.02	10.40	17.80

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted							GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CEMENT CREEK	S-16	June 94		JP		NO FLOW											
CEMENT CREEK	S-16	Nov 94		LP		NO FLOW											
CEMENT CREEK	ATP-1	23-Aug-93	12:00:00	JP	IML	0.013	9.00	7.0	2.6	1100	11	0.06	0.72	10.3	0.03	12	8.26
CEMENT CREEK	ATP-1	27-Jun-94	15:00:00	JP	IML	0.014	10.00	10.0	2.7	980		0.044	1.25	23.4	0.033	18	13.00
CEMENT CREEK	ATP-1	12-Oct-94	14:15:00	GN	IML	0.003	2.00	6.9	2.7	1470	32.4	0.079	1.69	25.1	0.035	28.3	21.70
CEMENT CREEK	ATP-1	29-Aug-95	13:00:00	GN	IML	0.004	2.50	9.5	2.8	1230	21.8	0.08	1.34	28.3	0.021	26.5	19.80
CEMENT CREEK	ATP-1	05-Oct-95	10:30:00	GN	Anal	0.004	3.00	6.2	2.5	1240	22.1	0.085	1.32	20.8	0.011	27.3	19.80
CEMENT CREEK	ATP-1	19-Jul-96	10:30:00	GN	Anal	0.007	5.00	9.0	2.7	1030	16.4	0.073	1.14	19.0	0.012	21.7	17.00
CEMENT CREEK	ATP-1	02-Oct-96	14:30:00	GN	IML	0.004	2.50	8.0	2.9	1380	31.6	0.123	1.55	19.6	0.009	44.5	33.50
SAMPLE COUNT						7	7	7	7	7	7	7	7	7	7	7	7
AVERAGE						0.007	4.857	8.086	2.701	1204.288	19.329	0.078	1.287	20.929	0.022	25.471	18.886
Std.Dev.						0.004	3.079	1.344	0.096	166.892	10.602	0.023	0.288	5.296	0.010	9.467	7.304
Max.						0.014	10.000	10.000	2.860	1470.000	32.400	0.123	1.690	28.300	0.035	44.500	33.500
Min.						0.003	2.000	6.200	2.540	980.000	0.000	0.044	0.720	10.300	0.009	12.000	8.260
CEMENT CREEK	ATP-1	24-Jun-97	11:00:00	GN	IML	0.008	4.00	7.3	2.0	1810	42.3	0.12	1.93	88.4	<.005	58.7	47.70
CEMENT CREEK	ATP-1	30-Sep-97	11:15:00	GN	IML	0.003	2.00	12.8	3.4	320							
CEMENT CREEK	ATP-1	06-Jul-98	11:00:00	GN		0.001	1.00	7.1	1.1	900							
CEMENT CREEK	ATP-1	28-Sep-98	11:30:00	GN		ND	ND	ND	ND	ND							
CEMENT CREEK	ATP-1	22-Jul-99	NO SAMP.	GN		ND	ND	ND	ND	ND							
CEMENT CREEK	ATP-1	15-Sep-99	NO SAMP.	GN		ND	ND	ND	ND	ND							

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
		GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
S. FORK CEMENTSILVER LEDGE		01-Jul-93	11:00:00	JP	IML	1.280	875.20	7.0	4.9	790	3.2	0.006	0.12	23.00	0.007	2.86	2.02
S. FORK CEMENTSILVER LEDGE		29-Sep-93	10:30:00	GN	IML	0.520	361.11	6.1	8.1	920	0.8	0.003	<.001	10.95	0.005	2.33	0.72
S. FORK CEMENTSILVER LEDGE		15-Jul-94	16:00:00	JP	IML	1.320	918.67	7.0	4.9	830		0.004	0.09	1.48	0.34	2.5	1.37
S. FORK CEMENTSILVER LEDGE		28-Sep-94	14:00:00	GN	IML	0.650	451.39	6.9	6.4	1020	0.64	0.003	0.012	11.44	<.005	2.31	0.72
S. FORK CEMENTSILVER LEDGE		25-Jul-95	14:15:00	GN	IML	0.580	402.78	7.5	6.0	910	1.10	0.002	0.1	12.8	<.005	2.45	0.78
S. FORK CEMENTSILVER LEDGE		03-Aug-95	11:30:00	GN	IML	1.230	854.17	6.2	6.0	760	2.18	0.006	0.039	16.6	<.005	2.74	1.32
S. FORK CEMENTSILVER LEDGE		25-Jun-96	10:00:00	GN	IML	1.300	902.78	5.1	5.4	800	1.90	0.004	0.04	15.00	<.005	2.39	1.08
S. FORK CEMENTSILVER LEDGE		17-Sep-96	13:30:00	GN	IML	0.450	312.00	6.0	6.4	930	0.87	<.001	0.023	12.00	<.005	2.33	0.74
SAMPLE COUNT						8	8	8	8	8	8	8	8	8	8	8	8
AVERAGE						0.914	634.511	6.475	5.755	870.000	1.336	0.003	0.053	12.909	0.044	2.489	1.094
Std.Dev.						0.368	255.869	0.717	0.570	83.066	0.957	0.002	0.042	5.671	0.112	0.192	0.431
Max.						1.320	918.667	7.500	6.420	1020.000	3.200	0.006	0.120	23.000	0.340	2.860	2.020
Min.						0.450	312.000	5.100	4.890	760.000	0.000	0.000	0.000	1.480	0.000	2.310	0.720
S. FORK CEMENTSILVER LEDGE		26-Jun-97	10:10:00	GN	IML	1.850	1288.00	6.2	5.53	710	3.66	0.006	0.12	20.90	<.05	2.62	1.74
S. FORK CEMENTSILVER LEDGE		29-Sep-97	13:00:00	GN	IML	0.740	516.00	7.3	6.15	840	0.74	0.003	0.01	11.20	<.005	2.18	0.71
S. FORK CEMENTSILVER LEDGE		08-Jul-98	10:20:00	GN		1.190	824.00	6.9	4.79	750							
S. FORK CEMENTSILVER LEDGE		28-Sep-98	10:15:00	GN	IML	0.480	333.00	6.8	6.10	880	0.72	0.002	<.01	8.84	<.005	1.78	0.50
S. FORK CEMENTSILVER LEDGE		18-Jul-99	10:15:00	GN		1.430	996.00	7.8	5.50	720							
S. FORK CEMENTSILVER LEDGE		20-Jul-99	13:30:00	GN	IML	ND	ND	16.2	5.58	780	0.76	<.001	<.01	11.70	<.005	4.17	0.98
S. FORK CEMENTSILVER LEDGE		16-Sep-99	09:30:00	GN	IML	1.190	825.00	6.1	5.81	800	1.26	0.002	0.02	13.50	<.005	2.38	0.93
S. FORK CEMENTSILVER LEDGE		20-Jul-00	10:00:00	GN	IML	1.000	704.00	8.5	5.90	790	1.18	0.002	0.021	13.10	<.005	2.34	0.87
S. FORK CEMENTSILVER LEDGE		13-Sep-00	10:30:00	GN		0.284	197.00	8.0	6.45	890							
S. FORK CEMENTSILVER LEDGE		26-Jun-01	09:30:00	GN		2.000	1389.00	6.5	5.25	700							
S. FORK CEMENTSILVER LEDGE		12-Sep-01	11:10:00	GN EN	IML	0.680	463.01	13.5	5.90	860	0.81	0.002	0.02	11.90	0.022	2.21	0.77

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																
							GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgsd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn
S. FORK CEMENT	S 14	29-Sep-93	11:00:00	GN	IML	0.005	3.71	3.5	3.7	300	1.4	<.002	<.001	<.05	0.014	0.94
S. FORK CEMENT	S 14	19-Jul-94	11:00:00	JP	IML	0.008	5.54	7.0	6.4	270	1.4	<.002	0.01	<.05	<0.005	0.79
S. FORK CEMENT	S 14	28-Sep-94	14:30:00	GN	IML	0.005	3.30	12.9	4.1	320	1.14	<.002	0.01	<.05	<0.005	0.89
S. FORK CEMENT	S 14	03-Aug-95	11:10:00	GN	IML	0.027	19.00	5.8	4.8	250	1.13	<.002	0.006	<.05	0.005	0.64
S. FORK CEMENT	S 14	25-Sep-95	13:45:00	GN	IML	0.012	8.00	7.0	3.9	250	1.4	<.002	0.006	0.06	<0.005	0.81
S. FORK CEMENT	S 14	25-Jun-96	09:15:00	GN	IML	0.003	2.00	4.0	6.1	370	0.07	<.001	0.001	0.025	<0.005	0.02
S. FORK CEMENT	S 14	12-Sep-96	14:00:00	GN		NO FLOW										
SAMPLE COUNT						7	6	6	6	6	6	6	6	6	6	6
AVERAGE						0.009	6.925	6.700	4.807	293.333	1.090	0.000	0.005	0.000	0.002	0.682
Std.Dev.						0.008	6.724	3.081	1.062	42.887	0.471	0.000	0.004	0.000	0.005	0.310
Max.						0.027	19.000	12.900	6.350	370.000	1.400	0.000	0.010	0.000	0.014	0.940
Min.						0.000	2.000	3.500	3.650	250.000	0.070	0.000	0.000	0.000	0.000	0.020
S. FORK CEMENT	S 14	26-Jun-97	09:30:00	GN	IML	0.005	1.65	5.2	6.8	260	0.23	<.004	<.01	<.02	<.05	<.005
S. FORK CEMENT	S 14	29-Sep-97	13:45:00	GN		0.001	1.00	11.0	6.9	380						
S. FORK CEMENT	S 14	06-Jul-98	09:45:00	GN		0.002	1.65	7.1	5.7	320						
S. FORK CEMENT	S 14	28-Sep-98	11:00:00	GN		0.004	0.25	6.0	6.7	480						
S. FORK CEMENT	S 14	16-Jul-99	10:15:00	GN		0.030	21.00	6.0	4.3	230						
S. FORK CEMENT	S 14	16-Sep-99	09:15:00	GN		0.015	10.00	5.0	4.2	240						
S. FORK CEMENT	S 14	20-Jul-00	10:00:00	GN		0.007	5.00	8.6	4.3	250						
S. FORK CEMENT	S 14	13-Sep-00	10:45:00	GN		0.007	4.70	6.0	4.4	270						
S. FORK CEMENT	S 14	25-Jun-01	10:30:00	GN		0.012	8.89	10.2	4.0	240						
S. FORK CEMENT	S 14	12-Sep-01	09:40:00	GN EN		0.002	1.50	11.6	3.9	260						
S. FORK CEMENT	S 15	29-Sep-93	11:30:00	GN	IML	0.001	0.84	3.8	7.0	550	<.1	<.002	<.001	<.05	<.005	0.04
S. FORK CEMENT	S 15	20-Jul-94	16:00:00	JP	IML	0.002	1.15	5.0	7.1	470	0.1	<.002	<.004	<.05	<.005	<0.02
S. FORK CEMENT	S 15	28-Sep-94	14:45:00	GN	IML	0.001	1.00	13.6	6.5	570	<.01	<.002	<.01	<.05	<.005	<0.02
S. FORK CEMENT	S 15	03-Aug-95	10:50:00	GN	IML	0.005	3.71	6.8	7.3	390	<.01	<.002	<.002	<.05	<.005	<0.02
S. FORK CEMENT	S 15	25-Sep-95	13:30:00	GN	IML	0.001	1.00	5.7	6.2	480	<.01	<.002	<.01	<.05	<.005	<0.02
S. FORK CEMENT	S 15	25-Jun-96	09:30:00	GN	IML	0.006	4.50	4.5	3.8	260	1.34	<.001	0.005	0.04	<.005	0.71
S. FORK CEMENT	S 15	17-Sep-96	13:00:00	GN	IML	0.007	4.72	8.0	4.4	270	1.4	<.001	0.006	0.24	<.005	0.85
SAMPLE COUNT						7	7	7	7	7	7	7	7	7	7	7
AVERAGE						0.003	2.417	6.771	6.010	427.143	0.214	0.000	0.002	0.034	0.000	0.127
Std.Dev.						0.002	1.666	3.080	1.343	115.970	0.485	0.000	0.002	0.084	0.000	0.296
Max.						0.007	4.720	13.600	7.260	570.000	1.400	0.000	0.006	0.240	0.000	0.850
Min.						0.001	0.840	3.800	3.600	260.000	0.000	0.000	0.000	0.000	0.000	0.000
S. FORK CEMENT	S 15	26-Jun-97	09:45:00	GN	IML	0.029	19.82	4.6	5.7	200	1.29	<.004	<.01	0.02	<.05	0.57
S. FORK CEMENT	S 15	29-Sep-97	13:30:00	GN	IML	0.010	7.33	11.0	4.1	280	1.34	<.001	<.01	<.02	<.005	0.745
S. FORK CEMENT	S 15	06-Jul-98	09:55:00	GN		0.022	15.60	8.3	3.4	230						
S. FORK CEMENT	S 15	28-Sep-98	10:45:00	GN		0.008	5.32	5.8	3.7	280						
S. FORK CEMENT	S 15	16-Jul-99	10:15:00	GN		0.005	3.00	9.0	6.8	340						
S. FORK CEMENT	S 15	16-Sep-99	09:00:00	GN		0.004	2.73	6.3	5.8	740						
S. FORK CEMENT	S 15	20-Jul-00	09:40:00	GN		NO FLOW										
S. FORK CEMENT	S 15	13-Sep-00	11:00:00	GN		0.003	2.00	10.0	5.9	480						
S. FORK CEMENT	S 15	25-Jun-01	10:45:00	GN		0.003	2.00	7.2	6.2	370						
S. FORK CEMENT	S 15	12-Sep-01	10:00:00	GN EN		0.008	5.66	10.7	6.5	500						

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Q(mgd)	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
S. FORK CEMENT	LC	03-Aug-93	11:00:00	JP	IML	0.001	0.41	17.0	2.7	870		0.01	0.12	26.4	0.01	1.57	3.66
S. FORK CEMENT	LC	27-Sep-93		LP		NO FLOW											
S. FORK CEMENT	LC	11-Jul-94	14:30:00	JP	IML	0.001	0.41	18.5	2.7	980		0.01	1.13	33.7	0.009	2.1	5.81
S. FORK CEMENT	LC	28-Sep-94		GN		NO FLOW											
S. FORK CEMENT	LC	31-Aug-95	10:50:00	GN	IML	0.001	0.5	16.5	2.77	860	11.2	0.02	0.925	24.2	0.013	1.61	4.76
S. FORK CEMENT	LC	21-Sep-95	09:30:00	GN	IML	NO FLOW											
S. FORK CEMENT	LC	10-Jul-96	09:30:00	GN	IML	0.003	2.000	10	2.12	850	12.4	0.018	1.15	35.4	0.01	2.24	6.00
S. FORK CEMENT	LC	11-Sep-96	13:30:00	GN		NO FLOW											
SAMPLE COUNT						8	4	4	4	4	3	4	4	4	4	4	4
AVERAGE						0.001	0.831	15.500	2.555	890.000	7.867	0.015	0.831	29.925	0.011	1.880	5.058
Std.Dev.						0.001	0.878	3.260	0.255	52.440	5.584	0.005	0.420	4.728	0.002	0.295	0.935
Max.						0.003	2.000	18.500	2.770	980.000	12.400	0.020	1.150	35.400	0.013	2.240	6.000
Min.						0.000	0.412	10.000	2.120	850.000	0.000	0.010	0.120	24.200	0.009	1.570	3.660
S. FORK CEMENT	LC	10-Jul-97	09:15:00	GN		0.004	3.000	8.4	2.04	980							
S. FORK CEMENT	LC	09-Sep-97	10:30:00	GN		0.001	<.5	11	2.16	1210							
S. FORK CEMENT	LC	10-Jul-98	10:30:00	GN		0.008	5.400	11.1	1.93	700							
S. FORK CEMENT	LC	21-Sep-98	11:30:00	GN		DRY											
S. FORK CEMENT	LC	12-Jul-99	10:45:00	GN		0.006	4.500	14.1	2.01	940							
S. FORK CEMENT	LC	10-Sep-99	08:45:00	GN		0.001	1.000	8.4	2.4	770							
S. FORK CEMENT	LC	29-Jun-00	10:15:00	GN		0.0016	1.000	12.8	2.57	830							
S. FORK CEMENT	LC	13-Sep-00	09:00:00	GN		0.0004	0.250	8.5	2.84	1430							
S. FORK CEMENT	LC	14-Sep-01	10:10:00	GN EN		DRY											
S. FORK CEMENT	LC-1	30-Sep-93	10:00:00	GN	IML	0.004	2.93	2.7	6.5	120	0.1	0.002	0.002	<.05	<.005	0.29	0.49
S. FORK CEMENT	LC-1	11-Jul-94	14:00:00	JP	IML	0.122	84.70	10.0	7.8	90	0.1	<.002	0.03	<.05	<.005	0.03	0.04
S. FORK CEMENT	LC-1	28-Sep-94	11:30:00	GN	IML	0.019	13.00	7.9	3.9	200		0.007	0.164	0.715	0.079	0.64	1.5
S. FORK CEMENT	LC-1	31-Aug-95	11:00:00	GN	IML	0.059	41.00	11.2	7.4	130	0.3	<0.002	0.017	0.59	0.01	0.1	0.22
S. FORK CEMENT	LC-1	21-Sep-95	09:50:00	GN	IML	0.020	14.00	5.5	7.2	110	<0.1	<0.002	0.006	<0.05	<0.005	0.02	<0.075
S. FORK CEMENT	LC-1	10-Jul-96	10:00:00	GN	IML	0.111	77.00	7.1	5.3	100	0.08	0.001	0.022	0.89	<0.005	0.21	0.47
S. FORK CEMENT	LC-1	11-Sep-96	14:00:00	GN	IML	0.003	2.25	10.0	7.6	100	<.05	<.001	0.007	0.05	<.005	0.03	0.06
SAMPLE COUNT						7	7	7	7	7	6	7	7	7	7	7	7
AVERAGE						0.048	33.136	7.771	6.484	121.429	0.097	0.001	0.035	0.292	0.001	0.189	0.397
Std.Dev.						0.048	32.663	2.753	1.306	34.405	0.100	0.002	0.053	0.325	0.003	0.207	0.487
Max.						0.122	84.700	11.200	7.800	200.000	0.300	0.007	0.164	0.715	0.010	0.640	1.500
Min.						0.003	0.000	2.700	3.850	90.000	0.000	0.000	0.002	0.000	0.000	0.020	0.000
S. FORK CEMENT	LC-1	10-Jul-97	09:45:00	GN		0.990	687.00	6.8	5.2	90							
S. FORK CEMENT	LC-1	19-Sep-97	10:45:00	GN		0.036	25.00	8.5	5.0	110							
S. FORK CEMENT	LC-1	10-Jul-98	11:00:00	GN		0.500	348.00	6.2	6.1	70							
S. FORK CEMENT	LC-1	21-Sep-98	11:45:00	GN		0.003	2.00	8.7	7.8	90							
S. FORK CEMENT	LC-1	12-Jul-99	11:00:00	GN		0.790	551.00	9.5	6.1	100							
S. FORK CEMENT	LC-1	10-Sep-99	09:00:00	GN		0.098	68.00	5.9	6.5	100							
S. FORK CEMENT	LC-1	29-Jun-00	10:30:00	GN		0.099	69.00	10.6	6.4	90							
S. FORK CEMENT	LC-1	13-Sep-00	09:00:00	GN		0.010	7.00	6.0	6.0	90							
S. FORK CEMENT	LC-1	14-Sep-01	10:20:00	GN EN		0.010	7.24	10.4	6.7	110							

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	Isb	Qmgs	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
S. FORK CEMENT	LC-2	29-Sep-93	14:30:00	GN	IML	0.072	50.00	15.0	7.8	150	<.1	<.002	0.001	<.05	<.005	0.02	0.02
S. FORK CEMENT	LC-2	18-Jul-94	12:00:00	JP	IML	0.140	96.90	7.0	6.6	120	<.1	<.002	0.009	<.05	0.35	<.02	7.52
S. FORK CEMENT	LC-2	28-Sep-94	11:45:00	GN	IML	0.122	85.00	5.7	7.0	150	<.1	<.002	<.01	<.05	<.005	<.02	<.01
S. FORK CEMENT	LC-2	31-Aug-95	11:30:00	GN	IML	0.238	165.00	8.5	7.6	130	<.1	<.002	0.001	<.05	0.013	<.02	<.02
S. FORK CEMENT	LC-2	21-Sep-95	10:10:00	GN	IML	0.105	73.00	3.4	7.4	140	<.1	<.002	<.001	<.05	<.005	<.02	<.075
S. FORK CEMENT	LC-2	10-Jul-96	10:30:00	GN	IML	0.333	231.00	5.0	7.3	110	<.05	<.001	0.002	<.025	<.005	<.01	<.05
S. FORK CEMENT	LC-2	12-Sep-96	11:45:00	GN	IML	0.080	56.00	8.0	6.7	130	<.05	<.001	0.002	<.025	<.005	<.01	<.05
SAMPLE COUNT						7	7	7	7	7	7	7	7	7	7	7	7
AVERAGE						0.156	108.129	7.514	7.203	132.857	0.000	0.000	0.002	0.000	0.052	0.003	1.077
Std.Dev.						0.088	61.322	3.466	0.430	13.851	0.000	0.000	0.003	0.000	0.122	0.007	2.630
Max.						0.333	231.000	15.000	7.600	150.000	0.000	0.000	0.009	0.000	0.350	0.020	7.520
Min.						0.072	50.000	3.400	6.600	110.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S. FORK CEMENT	LC-2	10-Jul-97	10:05:00	GN		0.880	611.00	5.2	5.5	110							
S. FORK CEMENT	LC-2	19-Sep-97	11:00:00	GN		0.166	115.00	5.0	5.9	120							
S. FORK CEMENT	LC-2	13-Jul-98	10:30:00	GN		1.080	747.00	6.0	6.1	100							
S. FORK CEMENT	LC-2	21-Sep-98	12:15:00	GN		0.050	36.00	9.4	8.0	140							
S. FORK CEMENT	LC-2	12-Jul-99	11:20:00	GN	IML	1.450	1005.00	8.8	6.4	110	<.05	<.001	<.01	<.02	<.005	<.01	<.025
S. FORK CEMENT	LC-2	10-Sep-99	09:15:00	GN		0.440	307.00	5.4	6.9	120							
S. FORK CEMENT	LC-2	20-Jul-00	09:00:00	GN		0.200	139.00	8.7	6.3	110							
S. FORK CEMENT	LC-2	13-Sep-00	09:15:00	GN		0.063	44.00	5.0	6.5	130							
S. FORK CEMENT	LC-2	14-Sep-01	09:50:00	GN EN		0.045	331.50	8.7	6.8	130							
S. FORK CEMENT BLACK HAWK		03-Aug-93	14:00:00	JP	IML	0.048	33.40	8.0	6.8		0.1	0.003	0.002	1.92	0.01	3.3	1.09
S. FORK CEMENT BLACK HAWK		29-Sep-93	13:30:00	GN	IML	0.118	82.00	7.5	7.6	1230	0.1	0.004	<.001	0.52	0.006	3.58	0.88
S. FORK CEMENT BLACK HAWK		24-Jun-94	12:30:00	JP	IML	0.055	36.50	8.0	7.3	1090	ND	0.01	0.03	1.55	<.005	4.16	2.26
S. FORK CEMENT BLACK HAWK		28-Sep-94	13:00:00	GN	IML	0.134	93.00	7.3	6.7	1200	<.01	0.005	0.02	1.64	<.005	3.89	1.34
S. FORK CEMENT BLACK HAWK		31-Aug-95	12:30:00	GN	IML	0.068	47.00	10.5	6.7	1170	0.2	0.004	0.011	2.35	<.005	4.16	1.23
S. FORK CEMENT BLACK HAWK		21-Sep-95	10:50:00	GN	IML	0.088	47.00	7.3	6.4	1220	0.3	0.005	0.013	4.3	<.005	4.63	1.53
S. FORK CEMENT BLACK HAWK		10-Jul-96	12:00:00	GN	IML	0.045	31.00	8.5	7.0	1130	0.09	0.004	<.001	0.92	<.005	3.75	1.22
S. FORK CEMENT BLACK HAWK		12-Sep-96	12:45:00	GN	IML	0.059	41.20	8.0	6.4	1180	0.09	0.002	0.007	1.08	<.005	3.53	0.93
SAMPLE COUNT						8	8	8	8	7	8	8	8	8	8	8	8
AVERAGE						0.074	47.463	8.138	6.853	1174.286	0.110	0.005	0.007	1.785	0.002	3.875	1.310
Std.Dev.						0.031	27.180	0.973	0.370	46.247	0.093	0.002	0.007	1.095	0.004	0.401	0.410
Max.						0.134	93.000	10.500	7.560	1230.000	0.300	0.010	0.020	4.300	0.010	4.630	2.260
Min.						0.045	0.000	7.300	6.410	1090.000	0.000	0.002	0.000	0.520	0.000	3.300	0.880
S. FORK CEMENT BLACK HAWK		10-Jul-97	11:00:00	GN		0.150	104.00	8.3	6.0	1070							
S. FORK CEMENT BLACK HAWK		19-Sep-97	11:30:00	GN		0.134	92.70	8.0	5.6	1160							
S. FORK CEMENT BLACK HAWK		13-Jul-98	11:00:00	GN	IML	0.150	104.00	8.1	6.5	1100	0.12	0.004	<.01	0.89	<.005	3.5	1.03
S. FORK CEMENT BLACK HAWK		28-Sep-98	09:30:00	GN		0.080	57.00	8.4	6.6	1180							
S. FORK CEMENT BLACK HAWK		12-Jul-99	12:30:00	GN		0.200	140.00	8.9	6.5	1070							
S. FORK CEMENT BLACK HAWK		10-Sep-99	10:10:00	GN	IML	0.310	216.00	8.8	6.3	1150	0.34	0.003	0.033	4.24	<.005	4.83	1.33
S. FORK CEMENT BLACK HAWK		05-Jul-00	13:25:00	GN		0.109	75.00	11.8	6.7	1130							
S. FORK CEMENT BLACK HAWK		13-Sep-00	10:00:00	GN		0.134	93.00	9.0	6.6	1210							
S. FORK CEMENT BLACK HAWK		06-Jul-01	13:00:00	GN EN		0.280	192.98	13.9	6.6	1140							
S. FORK CEMENT BLACK HAWK		14-Sep-01	09:50:00	GN EN		0.480	320.26	9.9	6.4	1230							



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SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
S.FORK CEMENT	ATS-2	11-Jul-95	13:30:00	GN	Anal	0.002	1.65	4.5	5.17	1410	4.91	0.032	0.065	9.1	<0.002	102	26.9
S.FORK CEMENT	ATS-2	30-May-96	13:45:00	GN	IML	0.0003	0.18	19	3.6	1570	4.64	0.014	0.073	5.37	0.005	86.3	17.8
S.FORK CEMENT	ATS-2	17-Oct-96	13:30:00	GN	IML	0.006	4.2	10	3.19	1660	16.9	0.033	0.181	17.6	0.01	84.8	26.0
SAMPLE COUNT						3	3	3	3	3	3	3	3	3	3	3	3
AVERAGE						0.003	2.010	11.167	3.987	1546.667	8.817	0.028	0.106	10.890	0.005	90.700	23.500
Std.Dev.						0.002	1.661	6.977	0.863	103.387	5.717	0.009	0.053	5.118	0.004	7.993	4.188
Max.						0.006	4.200	19.000	5.170	1660.000	16.900	0.033	0.181	17.600	0.010	102.000	26.900
Min.						0.000	0.180	4.500	3.190	1410.000	4.640	0.014	0.065	5.370	0.000	84.800	17.800
S.FORK CEMENT	ATS-2	03-Jun-97	09:00:00	GN	IML	0.007	4.58	8	3.5	1000	6.22	0.38	0.25	7.33	0.02	42.2	15.6
S.FORK CEMENT	ATS-2	22-Sep-97	11:00:00	GN	IML	0.026	18	10	2.56	1330	13.5	0.07	<0.01	27.9	0.05	71.6	25.6
S.FORK CEMENT	ATS-2	11-Jun-98	10:30:00	GN	IML	0.002	1.85	15	2.48	1130	5.9	0.009	<0.01	13	0.077	41.4	10.9
S.FORK CEMENT	ATS-2	15-Oct-98	10:00:00	GN	IML	0.001	0.75	9.7	3.22	1460							
S.FORK CEMENT	ATS-2	07-Jun-99	09:45:00	GN	IML	0.006	4	10.4	3.37	1060	3.82	0.005	0.02	12.3	0.037	48.6	10.3
S.FORK CEMENT	ATS-2	16-Sep-99	11:00:00	GN	IML	0.009	6.5	8.9	3.13	1070	5.33	0.009	0.057	3.84	0.028	43.9	11.9
S.FORK CEMENT	ATS-2	24-May-00	09:00:00	GN	IML	0.003	2	13.4	2.88	1250	8.85	0.022	0.163	10.9	0.033	38.7	8.17
S.FORK CEMENT	ATS-2	11-Oct-00	10:15:00	GN	IML	0.005	3.6	8.5	3.62	1270	13.1	0.023	0.14	10.7	0.019	44.3	13.8
S.FORK CEMENT	ATS-2	10-Sep-01	10:30:00	GN EN		DRY											
S. FORK CEMENT	SF 17	13-Feb-92	10:30:00	GN	IML	1.04	722.00	1.9	4.9	820	1.76	0.003	0.03	3.62	<0.02	2.49	0.9
S. FORK CEMENT	SF 17	14-Aug-92	09:30:00	GN	IML	2.23	1645.00	7.6	6.7	520	1.3	0.003	0.04	3.04	0.002	1.49	0.87
S. FORK CEMENT	SF 17	12-Jul-93	10:30:00	JP	IML	12.90	8958.00	6.0	6.0	230	0.1	<0.002	0.005	1.4	<0.005	0.58	0.2
S. FORK CEMENT	SF 17	21-Jul-93	09:00:00	GN	IML	12.00	8333.33	9.0	5.2	560		0.009	0.193	3.41	0.056	1.74	1.31
S. FORK CEMENT	SF 17	02-Sep-93	11:30:00	GN	IML	2.50	1736.11	7.4	6.4	550	0.5	0.004	0.004	1.87	<0.005	1.44	1.04
S. FORK CEMENT	SF 17	16-Feb-94	10:30:00	GN	IML	1.17	812.50	7.5	5.78	730	1.3	0.003	0.02	3.00	<0.005	2.21	0.85
S. FORK CEMENT	SF 17	22-Sep-94	11:00:00	GN	IML	2.62	1819.44	6.5	6	440	0.8	0.006	0.047	1.89	<0.005	2.00	1.65
S. FORK CEMENT	SF 17	08-Nov-94	11:00:00	GN	IML	no flow-ice		3.7	5.25	610	1.2	<0.002	0.04	3.69	<0.005	2.5	1.11
S. FORK CEMENT	SF 17	10-Feb-95	10:30:00	GN	IML	1.46	1013.89	3.7	6.11	830	1.9	0.008	0.053	3.23	<0.005	3.77	2.02
S. FORK CEMENT	SF 17	27-Oct-95	15:15:00	LP	IML	1.69	1173.61	7.4	5.8	650	1.5	0.005	0.03	2.89	<0.005	2.2	1.02
S. FORK CEMENT	SF 17	13-Feb-96	10:45:00	GN	IML	0.78	542.00	4.9	4.94	730	1.8	0.004	0.028	3.23	<0.005	3.14	1.15
S. FORK CEMENT	SF 17	31-Oct-96	11:30:00	GN	IML	1.7	1181	4	6.2	510	1.14	0.002	0.019	2.91	<0.005	2.24	0.95
SAMPLE COUNT						12	11	12	12	12	11	12	12	12	12	12	12
AVERAGE						0.993	1510.172	5.800	5.768	598.333	1.209	0.004	0.042	2.848	0.005	2.150	1.089
Std.Dev.						0.963	2244.916	2.043	0.570	182.984	0.634	0.003	0.048	0.704	0.015	0.788	0.427
Max.						2.620	8333.333	9.000	6.730	830.000	1.900	0.009	0.193	3.690	0.056	3.770	2.020
Min.						0.000	0.000	1.900	4.860	230.000	0.100	0.000	0.004	1.400	0.000	0.580	0.200
S. FORK CEMENT	SF 17	26-Feb-97	09:00:00	GN	IML	EST. .86	600	4	5.2	730	1.92	0.004	0.03	3.15	<0.005	3.17	1.25
S. FORK CEMENT	SF 17	10-Nov-97	09:30:00	GN	IML	2.15	1492	4.5	5.1	550	0.67	0.002	0.03	3.68	<0.005	2.04	0.79
S. FORK CEMENT	SF 17	11-Mar-98	09:30:00	GN	IML	ND	ND	4.4	5.8	760	0.9	0.002	<0.01	4.85	<0.005	3.05	0.98
S. FORK CEMENT	SF 17	09-Oct-98	11:00:00	GN	IML	1.98	1373	8.7	5.9	550	0.34	0.002	0.02	2.52	<0.005	<0.01	0.82
S. FORK CEMENT	SF 17	23-Mar-99	09:30:00	GN	IML	EST. 1.5	1042	5.6	5.4	750	1.3	0.003	0.03	2.43	<0.005	2.72	1.09
S. FORK CEMENT	SF 17	01-Nov-99	10:30:00	GN	IML	2.28	1570	7.1	5.5	650	0.14	0.002	0.003	0.47	<0.005	0.39	0.178
S. FORK CEMENT	SF 17	17-Apr-00	09:45:00	GN	IML	ND	ND	7.7	5.6	660	1.0	0.004	0.004	2.86	<0.005	2.36	1.25
S. FORK CEMENT	SF 17	04-Dec-00	10:15:00	GN	IML	ND	ND	4.4	6.4	710	0.88	0.004	0.03	3.55	<0.005	1.9	0.77
S. FORK CEMENT	SF 17	03-Apr-01	08:45:00	GN	IML	0.75	521	7.3	6.2	730	1.28	0.003	0.04	2.85	<0.005	2.47	1.09
S. FORK CEMENT	SF 17	25-Sep-01	09:10:00	EN	IML	2.28	1571	6.2	6.3	600	0.55	0.002	0.02	3.02	<0.005	1.38	0.596
S. FORK CEMENT	SF 17	08-Feb-02	09:00:00	EN	IML	EST. 1	694	7.9	6.2	790	1.02	0.001	0.018	3.21	<0.005	2.07	0.825

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SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter ->in units of mg/l unless noted																	
							GPM	C	SU	umho	mg/l	+++++ mg/l	+++++ mg/l	+++++ mg/l	+++++ mg/l	+++++ mg/l	+++++ mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgs	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
EUREKA	TOLTEC-1	10-Oct-94	13:00:00	GN	IML	0.002	1.50	12.9	6.8		<0.1	<.002	0.005	<0.05	<0.005	0.064	0.055
EUREKA	TOLTEC-1	19-Sep-95	14:30:00	GN	IML	0.006	4.00	7.9	7.7	180	<0.1	<.002	0.002	<0.05	<0.005	<0.02	<0.01
EUREKA	TOLTEC-1	11-Jul-96	10:30:00	GN	IML	0.003	2.08	8.0	8.2	130	0.05	<0.001	0.01	<0.025	<0.005	<0.01	<0.05
EUREKA	TOLTEC-1	01-Oct-96	12:00:00	GN	IML	0.006	4.03	8.0	8.0	190	<.05	<.001	0.001	<.025	<.005	<.01	<.05
SAMPLE COUNT						4	4	4	4	4	4	4	4	4	4	4	4
AVERAGE						0.004	2.903	9.200	7.655	125.000	0.000	0.000	0.005	0.000	0.000	0.016	0.014
Std.Dev.						0.002	1.131	2.137	0.552	75.664	0.000	0.000	0.004	0.000	0.000	0.028	0.024
Max.						0.006	4.030	12.900	8.170	190.000	0.000	0.000	0.010	0.000	0.000	0.064	0.055
Min.						0.002	1.500	7.900	6.750	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
EUREKA	TOLTEC-1	11-Jul-97	11:10:00	GN		0.007	5.00	7.8	5.8	130							
EUREKA	TOLTEC-1	15-Sep-97	10:00:00	GN		NO FLOW											
EUREKA	TOLTEC-1	15-Jul-98	11:00:00	GN		0.007	4.64	8.4	6.4	140							
EUREKA	TOLTEC-1	09-Sep-98	11:00:00	GN		NO FLOW											
EUREKA	TOLTEC-1	20-Jul-99	11:00:00	GN	IML	0.007	5.00	12.1	6.5	90	<.05	<.001	0.002	0.04	<.005	0.01	<.025
EUREKA	TOLTEC-1	09-Sep-99	10:40:00	GN		NO FLOW											
EUREKA	TOLTEC-1	11-Jul-00	11:40:00	GN		0.0007	0.50	10.3	4.8	80							
EUREKA	TOLTEC-1	14-Sep-00	10:30:00	GN		NO FLOW											
EUREKA	TOLTEC-1	11-Jul-01	09:30:00	GN EN		0.003	1.93	9.8	6.8	160							
EUREKA	TT-1	01-Aug-94	14:00:00	JP	IML	0.010	6.60	6.0	7.0	180	0.3	0.006	0.03	0.08	0.13	2.67	3.15
EUREKA	TT-1	07-Oct-94	12:00:00	GN	IML	0.012	8.00	4.6	5.2	360	1.28	0.03	0.273	0.096	0.04	17.00	8.25
EUREKA	TT-1	25-Jul-95	08:15:00	JP	IML	0.017	12.00	3.2	5.5	360	1.28	0.03	0.273	0.096	0.04	17.00	8.25
EUREKA	TT-1	09-Sep-95	11:45:00	GN	Anal	0.003	2.00	5.9	6.2	170	0.2	0.005	0.04	<0.05	0.1	2.79	2.4
EUREKA	TT-1A	08-Jan-00	10:00:00	GN	IML	0.028	19.23	4.8	4.6	170	0.66	0.016	0.113	<0.025	0.016	7.64	5.19
EUREKA	TT-1B	08-Jul-96	10:15:00	GN	IML	0.010	6.92	4.5	4.8	100	0.28	0.007	0.062	0.03	0.007	4.30	2.57
EUREKA	TT-1BC	08-Jul-96	10:15:00	GN	IML	0.005	3.46	5.7	5.2	70							
EUREKA	TT-1	01-Oct-96	14:00:00	GN	IML	0.010	7.30	6.0	55.7	190	0.4	0.013	0.106	<.025	0.017	8.18	4.82
SAMPLE COUNT						8	8	8	8	8	7	7	7	7	7	7	7
AVERAGE						0.012	8.064	5.088	11.770	200.000	0.629	0.015	0.128	0.043	0.050	8.511	4.947
Std.Dev.						0.007	4.765	0.931	16.600	100.250	0.433	0.010	0.096	0.043	0.043	5.727	2.307
Max.						0.028	19.230	6.000	55.650	360.000	1.280	0.030	0.273	0.096	0.130	17.000	8.250
Min.						0.003	2.000	3.200	4.580	70.000	0.200	0.005	0.030	0.000	0.007	2.670	2.400
EUREKA	TT-1	11-Jul-97	09:35:00	GN	IML	0.085	59.00	4.8	6.3	70	0.34	0.006	0.05	0.03	0.007	2.35	1.68
EUREKA	TT-1	15-Sep-97	11:30:00	GN		0.010	6.85	6.0	4.7	130							
EUREKA	TT-1	08-Jul-98	11:00:00	GN		0.103	72.00	6.6	5.1	60							
EUREKA	TT-1	15-Sep-98	12:15:00	GN		0.006	4.20	5.7	4.7	130							
EUREKA	TT-1	28-Jun-99	10:00:00	GN		0.120	86.00	7.6	5.1	80							
EUREKA	TT-1	09-Sep-99	11:00:00	GN	IML	0.030	20.00	8.3	6.1	80	0.19	0.033	0.04	0.02	<.005	4.02	1.93
EUREKA	TT-1	11-Jul-00	12:00:00	GN		0.020	14.50	8.9	5.8	110							
EUREKA	TT-1	15-Sep-00	10:15:00	GN		0.0075	5.00	8.5	5.7	150							
EUREKA	TT-1A	03-Jul-01	11:00:00	GN EN		0.022	15.00	9.0	6.2	140							
EUREKA	TT-1	03-Jul-01	10:45:00	GN EN		.056	35.10	9.3	5.5	90	0.27	0.012	0.076	0.07	0.006	3.66	3.11
EUREKA	TT-1	07-Sep-01	09:30:00	GN EN													

BACKGROUND WATER INVENTORY THROUGH 1996  
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SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter ->in units of mg/l unless noted												+++++	+++++	+++++	+++++	+++++	+++++
							GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgs	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
EUREKA	TT-2	01-Aug-94	14:15:00	JP	IML	0.006	4.00	4.0	7.3	110	<.1	0.003	0.01	<.05	0.07	1.59	1.46
EUREKA	TT-2	07-Oct-94	12:30:00	GN	IML	0.003	2.00	5.1	6.1	70	<.1	<.002	0.006	<.05	0.005	0.149	0.429
EUREKA	TT-2	25-Jul-95	08:00:00	JP	IML	0.012	8.00	3.2	5.5	20	<.002	0.006	<.05	0.007	0.2	0.66	
EUREKA	TT-2	09-Sep-95	12:00:00	GN	Anal	0.001	1.00	8.0	6.6	50	0.03			0.005	0.167	0.428	
EUREKA	TT-2	08-Jul-96	10:30:00	GN	IML	0.001	1.00	8.0	6.6	50	0.03			0.005	0.167	0.428	
EUREKA	TT-2	01-Oct-96	14:30:00	GN	IML	0.001	0.71	8.0	6.2	60	<.05	<.001	0.003	0.03	<.005	0.03	0.24
SAMPLE COUNT						6	6	6	6	6	6	4	4	4	6	6	6
AVERAGE						0.004	2.785	5.717	6.388	60.000	0.010	0.001	0.006	0.008	0.015	0.270	0.283
Std.Dev.						0.004	2.581	1.833	0.558	27.080	0.014	0.001	0.002	0.013	0.025	0.590	0.633
Max.						0.012	8.000	8.000	7.310	110.000	0.030	0.003	0.010	0.030	0.070	1.590	1.460
Min.						0.001	0.710	3.200	5.500	20.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000
EUREKA	TT-2	11-Jul-97	09:45:00	GN		0.001	1.00	7.6	6.7	20							
EUREKA	TT-2	15-Sep-97	11:45:00	GN		0.0007	0.50	7.0	4.7	50							
EUREKA	TT-2	08-Jul-98	11:15:00	GN		0.002	1.50	9.1	5.2	30							
EUREKA	TT-2	15-Sep-98	11:25:00	GN	DRY												
EUREKA	TT-2	28-Jun-99	10:30:00	GN		0.007	4.80	7.9	4.6	30							
EUREKA	TT-2	09-Sep-99	11:15:00	GN		0.0004	0.25	9.1	6.2	80							
EUREKA	TT-2	11-Jul-00	10:45:00	GN		0.0009	0.66	10.6	6.0	110							
EUREKA	TT-2	15-Sep-00	10:30:00	GN		0.0003	0.24	9.5	6.2	70							
EUREKA	TT-2	03-Jul-01	11:15:00	GN EN	DRY												
EUREKA	TT-2	07-Sep-01	09:45:00	GN EN													
EUREKA	S-20	03-Aug-94	15:00:00	JP	IML	0.014	10.00	14.0	7.4	1100	<.1	<.002	0.002	<.05	0.1	0.02	6.1
EUREKA	S-20	10-Oct-94	14:00:00	GN	IML	0.009	6.00	12.3	7.7	1280	<.1	<.002	0.002	<.05	<.005	<.02	<.01
EUREKA	S-20	11-Aug-95	13:30:00	JP	IML	0.014	10.00	12.5	7.3	1210	<.1	<.002	0.002	<.05	<.005	<.02	0.015
EUREKA	S-20	27-Sep-95	10:45:00	GN	Anal	0.009	6.00	9.5	7.3	1210	<.03	<.001	0.001	0.052	<.002	<.01	<.01
EUREKA	S-20	30-Jul-96	10:45:00	GN	Anal	0.002	1.30	12.0	7.9	1140	<.05	<.001	<.001	<.025	<.005	<.01	<.05
EUREKA	S-20	02-Oct-96	11:30:00	GN	IML	0.002	1.30	12.0	8.0	1200	0.08	<.001	<.001	<.025	<.005	0.01	<.05
SAMPLE COUNT						6	6	6	6	6	6	6	6	6	6	6	6
AVERAGE						0.008	5.787	12.060	7.610	1186.667	0.013	0.000	0.001	0.009	0.017	0.005	1.017
Std.Dev.						0.005	3.556	1.328	0.280	52.175	0.030	0.000	0.001	0.019	0.037	0.008	2.273
Max.						0.014	10.000	14.000	7.960	1260.000	0.080	0.000	0.002	0.052	0.100	0.020	6.100
Min.						0.002	1.300	9.500	7.300	1100.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
EUREKA	S-20	09-Jul-97	11:30:00	GN		0.006	4.00	12.7	6.7	1190							
EUREKA	S-20	15-Sep-97	13:15:00	GN		0.003	1.80	10.0	7.2	1210							
EUREKA	S-20	14-Jul-98	10:15:00	GN		0.005	3.50	10.8	6.8	1180							
EUREKA	S-20	09-Sep-98	11:30:00	GN		0.003	2.38	11.8	7.4	1200							
EUREKA	S-20	16-Jun-99	11:30:00	GN		0.004	2.90	11.9	7.4	1200							
EUREKA	S-20	13-Sep-99	11:30:00	GN		0.003	22.00	11.6	6.9	1210							
EUREKA	S-20	12-Jul-00	10:30:00	GN		0.002	1.30	13.3	6.9	1140							
EUREKA	S-20	14-Sep-00	11:00:00	GN	IML	0.003	2.00	15.0	6.6	1220	<.005	0.004	0.019	<.02	<.005	<.01	<.025
EUREKA	S-20	11-Jul-01	11:00:00	GN EN		0.003	1.79	12.3	7.0	1150							
EUREKA	S-20	07-Sep-01	09:50:00	GN EN		0.002	1.07	11.1	5.6	7780							

BACKGROUND WATER INVENTORY, THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter ->in units of mg/l unless noted																	
						GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
EUREKA	MIDWAY	26-Sep-95	12:45:00	GN	Anal	0.025	17.50	10.1	6.7	1060	<0.3	<0.001	<0.001	0.035	<0.002	<0.01	0.011
EUREKA	MIDWAY	30-Jul-96	12:45:00	GN	Anal	0.007	5.00	11.0	7.4	1050	<0.5	<0.001	<0.001	<0.025	<0.005	<0.01	<0.05
EUREKA	MIDWAY	02-Oct-96	11:45:00	GN	IML	0.008	5.50	11.0	7.5	1100	<0.05	<0.001	<0.001	<0.025	<0.005	<0.01	<0.05
SAMPLE COUNT						3	3	3	3	3	3	3	3	3	3	3	3
AVERAGE						0.013	9.333	10.700	7.223	1070.000	0.000	0.000	0.000	0.012	0.000	0.000	0.004
Std.Dev.						0.008	5.778	0.424	0.351	21.802	0.000	0.000	0.000	0.018	0.000	0.000	0.005
Max.						0.025	17.500	11.000	7.520	1100.000	0.000	0.000	0.000	0.035	0.000	0.000	0.011
Min.						0.007	5.000	10.100	6.730	1050.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
EUREKA	MIDWAY	09-Jul-97	11:40:00	GN		0.007	5.00	11.4	6.7	1010							
EUREKA	MIDWAY	15-Sep-97	13:00:00	GN		0.004	3.00	11.0	7.1	1060							
EUREKA	MIDWAY	14-Jul-98	10:30:00	GN		0.004	2.50	10.0	6.7	990							
EUREKA	MIDWAY	09-Sep-98	11:45:00	GN		0.004	3.00	10.6	7.1	1090							
EUREKA	MIDWAY	16-Jun-99	11:40:00	GN		0.009	6.25	11.5	7.3	1010							
EUREKA	MIDWAY	13-Sep-99	11:45:00	GN		0.014	10.00	10.8	6.9	980							
EUREKA	MIDWAY	12-Jul-00	10:45:00	GN	IML	0.010	8.00	13.2	7.0	1140	<.05	<.001	0.01	<.02	<.005	<.01	<.025
EUREKA	MIDWAY	14-Sep-00	11:15:00	GN		0.010	8.00	15.0	6.9								
EUREKA	MIDWAY	11-Jul-01	11:15:00	GN EN		0.008	6.00	12.3	6.8	950							
EUREKA	MIDWAY	07-Sep-01	10:00:00	GN EN		0.009	6.00	11.5	6.3	980							
EUREKA	EMW	30-Aug-93	10:45:00	GN	IML			7.3	7.0	370	0.005	<.001		<.05	0.018	3.66	0.75
EUREKA	SFMW	30-Aug-93	10:30:00	GN	IML			6.2	6.8	200	<.002	<.001		0.1	0.006	0.03	0.04
EUREKA	EC34	13-Oct-93	13:30:00	GN	IML	2.600	1805.00	7.0	7.5	440	<.1	0.002	<.001	<.05	<.005	0.51	0.67
EUREKA	EC34	15-Jun-94	12:15:00	JP	IML	38.420	26680.56	9.0	6.3	110	<.1	<.002	0.004	<.05	<.005	0.73	0.3
EUREKA	EC34	16-Sep-94	12:00:00	GN	IML	7.890	5479.17	7.1	7.4	300	0.1	<.002	<.01	<.05	<.005	0.88	0.54
EUREKA	EC34	14-Oct-94	11:00:00	GN	IML	5.130	3562.50	2.7	6.7	320	0.4	0.002	0.022	<.05	0.008	1.58	0.73
EUREKA	EC34	18-Oct-94	11:00:00	GN	IML	5.130	3562.50	2.7	7.0	320	0.6	0.009	0.193	0.86	<.005	3.69	3.54
EUREKA	EC34	31-Jan-95	12:00:00	GN	ANALYT	N/D		2.7	6.0	560	<.50	0.01	0.08	<.05	<.005	3.10	3.7
EUREKA	EC34	12-Oct-95	11:00:00	GN	IML	3.660	2541.67	6.8	7.3	390	0.16	0.004	0.022	<.05	<.005	2.00	0.88
EUREKA	EC34	18-Mar-96	11:00:00	GN	IML	EST. .80	555.00	4.4	7.7	480	0	0.009	0.044	<.025	<.005	1.79	3.07
EUREKA	EC34	30-Oct-96	12:00:00	GN	IML	2.955	2050.00	4.0	7.1	270	0.12	0.001	0.0088	<.025	<.005	0.34	0.61
SAMPLE COUNT						9	9	9	9	9	9	9	9	9	9	9	9
AVERAGE						7.309	5779.649	5.156	7.011	354.444	0.153	0.004	0.042	0.096	0.001	1.624	1.560
Std.Dev.						11.260	8017.631	2.228	0.634	124.196	0.200	0.004	0.059	0.270	0.003	1.098	1.344
Max.						38.420	26680.558	9.000	7.720	560.000	0.600	0.010	0.193	0.860	0.008	3.690	3.700
Min.						0.800	555.000	2.700	6.020	110.000	0.000	0.000	0.000	0.000	0.000	0.340	0.300
EUREKA	EC34	26-Feb-97	10:30:00	GN	IML	EST. .98	680.00	3.0	6.9	470	<.05	0.002	0.01	<.025	<.005	0.51	1.02
EUREKA	EC34	27-Oct-97	11:40:00	GN	IML	EST. 3.0	2083.00	3.8	6.4	200	0.08	0.001	0.01	<.02	<.005	0.27	0.53
EUREKA	EC34	11-Mar-98	10:45:00	GN	IML	ND	ND	3.9	6.8	430	<.05	0.001	<.01	0.06	<.005	0.28	0.62
EUREKA	EC34	08-Oct-98	10:45:00	GN	IML	2.500	1736.00	2.4	6.6	280	0.35	0.001	<.01	<.02	<.005	0.25	0.61
EUREKA	EC34	23-Mar-99	10:00:00	GN	IML	EST. 2.0		4.1	6.6	320	<.05	0.005	0.038	<.02	<.005	1.16	1.91
EUREKA	EC34	21-Oct-99	11:00:00	GN	IML	2.700	1873.00	3.7	7.1	200	0.07	0.002	0.002	<.02	<.005	0.21	0.62
EUREKA	EC34	18-Apr-00	11:00:00	GN	IML	ND	ND	6.8	6.8	230	0.07	0.004	0.016	<.02	<.005	0.96	1.68
EUREKA	EC34	10-Oct-00	10:45:00	GN	IML	4.700	3284.00	5.4	6.7	270	0.08	0.002	0.011	<.02	<.005	0.15	0.36
EUREKA	EC34	30-Apr-01	10:00:00	GN	IML	18.000	11292.00	6.4	6.8	210	<.05	0.007	0.031	<.02	<.005	1.55	1.69
EUREKA	EC34	04-Oct-01	09:45:00	GN EN	IML	1.500	1046.02	8.4	7.1	340	<.05	0.001	<.01	<.02	<.005	0.19	0.385
EUREKA	EC34	07-Feb-02	10:45:00	GN EN	IML	EST. 1	694.00	8.4	7.3	460	0.05	0.002	0.011	<.02	<.005	0.14	0.557

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted																	
		GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
CALIF. GULCH	CG 115	15-Sep-93	11:15:00	GN	IML	1.440	1000.00	3.9	5.6	220	2.1	0.006	0.002	<.05	<.005	7.8	1.6
CALIF. GULCH	CG 115	01-Oct-93	13:30:00	GN	IML	0.660	458.33	9.0	5.5	270	2.3	0.012	0.001	0.11	0.008	8.5	1.7
CALIF. GULCH	CG 115	26-Jul-94	13:00:00	JP	IML	1.170	812.50	17.0	5.5	230	1.5	0.004	0.01	0.07	<.005	0.8	1.32
CALIF. GULCH	CG 115	05-Oct-94	10:45:00	GN	IML	1.870	1298.81	3.3	5.6	170	1.0	0.005	0.009	0.08	<.005	4.94	1.3
CALIF. GULCH	CG 115	26-Jul-95	10:45:00	GN	IML	1.280	888.89	2.8	5.8	210	<0.1	0.002	0.006	<.05	<.005	0.45	0.76
CALIF. GULCH	CG 115	01-Aug-95	10:50:00	GN	IML	9.590	6659.72	9.4	5.8	180	1.1	0.004	0.013	<.05	<.005	5.05	0.98
CALIF. GULCH	CG 115	11-Jul-96	12:00:00	GN	IML	3.710	2578.39	11.0	6.3	180	0.9	0.003	0.007	0.07	<.005	5.11	0.99
CALIF. GULCH	CG 115	09-Oct-96	11:45:00	GN	IML	1.940	1347.22	7.0	6.3	150	1.2	0.004	0.009	0.05	<.005	4.25	1.27
SAMPLE COUNT						8	8	8	8	8	8	8	8	8	8	8	8
AVERAGE						2.708	1880.208	7.925	5.778	196.250	1.245	0.005	0.007	0.048	0.001	4.613	1.239
Std.Dev.						2.736	1898.670	4.470	0.319	39.980	0.682	0.003	0.004	0.040	0.003	2.688	0.300
Max.						9.590	6659.722	17.000	6.330	270.000	2.300	0.012	0.013	0.110	0.008	8.500	1.700
Min.						0.660	458.333	2.800	5.450	150.000	0.000	0.002	0.001	0.000	0.000	0.450	0.760
CALIF. GULCH	CG 115	14-Jul-97	10:45:00	GN	IML	9.050	6283.00	8.3	5.3	140	1.2	0.003	0.01	0.03	<.005	4.29	0.87
CALIF. GULCH	CG 115	16-Sep-97	10:30:00	GN	IML	1.900	1319.00	5.0	5.2	190	1.6	0.004	<.01	0.06	<.005	7.08	1.2
CALIF. GULCH	CG 115	26-Jul-98	10:15:00	GN	IML	3.780	2625.00	6.4	5.9	170	0.5	0.003	<.01	0.6	<.005	5.22	0.93
CALIF. GULCH	CG 115	15-Sep-98	10:00:00	GN	IML	1.240	853.00	5.4	5.1	250	2.5	0.005	<.01	0.1	<.005	10.1	1.85
CALIF. GULCH	CG 115	21-Jul-99	10:30:00	GN	IML	5.690	3949.00	10.6	5.4	170	0.7	0.004	<.001	0.02	<.005	4.83	0.956
CALIF. GULCH	CG 115	13-Sep-99	10:15:00	GN	IML	2.000	1400.00	5.5	5.3	220	1.3	0.004	0.019	0.11	<.005	8.6	1.8
CALIF. GULCH	CG 115	07-Sep-00	10:00:00	GN	IML	3.000	2083.00	9.0	4.8	270	4.9	0.007	0.023	0.15	<.005	12.2	2.45
CALIF. GULCH	CG 115	29-Aug-01	10:00:00	GN EN	IML	1.610	1122.23	9.0	4.7	250	2.4	0.008	<.01	0.12	<.005	9.95	1.91
PLACER GULCH	P 1	08-Aug-93	15:00:00	JP	IML	0.007	5.00	8.0	3.2	470	5.7	0.008	0.04	15.1	0.24	10.4	5.3
PLACER GULCH	P 1	01-Oct-93	10:30:00	GN	IML	0.020	14.00	4.7	3.5	400	5	0.056	0.084	15.8	0.247	12.6	4.35
PLACER GULCH	P 1	26-Jul-94	11:00:00	JP	IML	0.001	1.00	7.0	3.3	110	10.5	0.016	0.07	11.6	0.52	9.0	6.3
PLACER GULCH	P 1	05-Oct-94	11:30:00	GN	IML	0.026	18.00	3.7	3.1	390	10.9	0.016	0.025	6.83	0.36	6.1	3.42
PLACER GULCH	PG 115	15-Sep-93	11:01:00	GN	IML	1.270	881.94	3.6	6.4	100	0.2	0.003	0.003	<.05	0.02	0.67	1.08
PLACER GULCH	PG 115	01-Oct-93	14:00:00	GN	IML	0.520	361.11	9.5	5.9	120	0.2	0.004	0.014	<.05	0.009	0.55	1.08
PLACER GULCH	PG 115	26-Jul-94	13:30:00	JP	IML	0.730	506.94	20.5	5.5	110	0.3	0.003	0.02	<.05	<.005	0.73	1.12
PLACER GULCH	PG 115	05-Oct-94	10:30:00	GN	IML	2.560	1777.78	2.5	5.5	90	<0.1	0.003	0.033	<.05	0.011	0.71	0.97
PLACER GULCH	PG 115	26-Jul-95	11:00:00	GN	IML	1.380	958.33	4.1	6.4	120	1.2	0.006	0.005	0.07	<.005	6.71	1.42
PLACER GULCH	PG 115	01-Aug-95	11:10:00	GN	IML	9.050	6284.72	10.9		100	0.12	0.003	0.02	<.05	0.008	1.71	0.89
PLACER GULCH	PG 115	11-Jul-96	11:45:00	GN	IML	3.580	2486.11	12.0	6.9	80	<0.05	0.002	0.01	0.1	<.005	0.74	0.89
PLACER GULCH	PG 115	09-Oct-96	11:30:00	GN	IML	2.750	1909.72	7.0	7.1	90	0.25	0.002	0.028	0.07	0.005	0.77	0.81
SAMPLE COUNT						8	8	8	7	8	8	8	8	8	8	8	8
AVERAGE						2.730	1895.833	8.763	6.220	101.250	0.284	0.003	0.017	0.030	0.006	1.674	1.008
Std.Dev.						2.587	1796.391	5.524	0.607	13.636	0.361	0.001	0.010	0.040	0.007	1.971	0.209
Max.						9.050	6284.722	20.500	7.090	120.000	1.200	0.006	0.033	0.100	0.020	6.710	1.420
Min.						0.520	361.111	2.500	5.450	80.000	0.000	0.002	0.003	0.000	0.000	0.550	0.690
PLACER GULCH	PG 115	14-Jul-97	10:30:00	GN	IML	8.110	5634.00	9.9	5.4	90	0.22	0.003	0.02	0.04	0.037	1.95	0.9
PLACER GULCH	PG 115	16-Sep-97	10:00:00	GN	IML	1.660	1155.00	7.5	6.0	100	<.05	0.002	<.01	0.08	0.016	0.85	0.96
PLACER GULCH	PG 115	26-Jul-98	10:30:00	GN	IML	2.660	1845.00	8.8	5.9	90	<.05	0.002	<.01	0.13	<.005	0.95	0.715
PLACER GULCH	PG 115	15-Sep-98	09:45:00	GN	IML	0.970	673.00	6.3	6.4	120	0.07	0.002	<.01	0.25	0.008	0.8	0.96
PLACER GULCH	PG 115	21-Jul-99	10:15:00	GN	IML	6.270	4353.00	11.9	6.2	100	<.05	0.002	0.008	0.04	<.005	1.3	0.778
PLACER GULCH	PG 115	13-Sep-99	10:00:00	GN	IML	1.520	1055.00	6.3	5.6	120	0.09	0.002	0.031	0.46	<.005	0.79	0.978
PLACER GULCH	PG 115	07-Sep-00	10:15:00	GN	IML	EST. 2.5	1736.00	9.0	5.6	130	0.08	0.003	0.018	0.08	0.006	0.93	1.2
PLACER GULCH	PG 115	29-Aug-01	10:00:00	GN EN	IML	1.490	1037.13	6.9	5.4	120	<.05	0.004	0.01	0.12	<.005	0.73	0.927

BACKGROUND WATER INVENTORY THROUGH 1996  
MONITORING RESULTS THROUGH 2001

SUNNYSIDE GOLD CORP.  
SILVERTON, COLORADO

Parameter -> in units of mg/l unless noted												+++++	+++++	+++++	+++++	+++++	+++++
							GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
DRAINAGE	SAMPLE SITE	Sampledate	SAMPLETIME	Sampledby	lab	Qmgd	Q(GPM)	FieldT	FieldpH	FieldCond	dAl	dCd	dCu	dFe	dPb	dMn	dZn
POUGHKEEPSIE	LAKE COMO	17-Aug-93	12:00:00	JP	IML	0.460	334.00	12.0	5.0	100	0.5	0.002	0.003	0.1	0.007	0.19	0.26
POUGHKEEPSIE	OLD LOUT	19-Aug-93	16:00:00	JP	IML	1.072	744.00	15.0		480	0.30	<.002	0.03	0.31	0.01	0.55	0.29
POUGHKEEPSIE	OLD LOUT	05-Oct-93	09:45:00	GN	IML	0.460	318.00	14.1	7.0	550	<.1	<.002	<.001	<.05	0.01	0.47	0.07
POUGHKEEPSIE	POUGH. 1	05-Oct-93	10:30:00	GN	IML	0.760	529.00	2.0	6.9	150	0.10	<.002	<.001	<.05	<.005	0.02	0.19
ANIMAS RIVER	AR-72	12-Apr-95	13:30:00	GN	IML	ND	ND	9.2	6.1	420	<0.1	0.003	0.017	1.84	<.005	1.26	0.87
ANIMAS RIVER	AR-72	22-May-95	14:00:00	GN	IML	ND	ND	10.8	6.4	ND	0.20	0.002	<0.01	0.19	0.056	0.43	0.31

UNITS OF mg/l UNLESS NOTED					GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
SAMPLE STA.	SAMPLE DATE	SAMPLE TIME	SAMPLED BY	LAB	GPM	FIELD TEMP	FIELD pH	FIELD COND.	dAl	dCd	dCu	dPb	dZn	dFe	dMn	SULFATE	CALCULATED HARDNESS	
AT-INTEL	01-Aug-00	09:30:00	GN	IML	694	13.2	5.86	1870	6.55	0.03	0.043	0.053	27.8	128	41.6	2090	1240	
AT-INTEL	09-Aug-00	08:45:00	GN		783													
AT-INTEL	18-Aug-00	08:45:00	GN		763													
AT-INTEL	22-Aug-00	10:45:00	GN		763													
AT-INTEL	28-Aug-00	10:00:00	GN		783													
AT-INTEL	05-Sep-00	13:30:00	GN	IML	764	14.2	5.73	2000	7.8	0.007	0.041	<.005	27	135	44.5	1980	1250	
AT-INTEL	11-Sep-00	12:00:00	GN		799													
AT-INTEL	18-Sep-00	07:45:00	GN		799													
AT-INTEL	26-Sep-00	12:45:00	GN		799													
AT-INTEL	02-Oct-00	08:15:00	GN	IML	799	12.6	5.77	1980	5.98	0.032	0.03	<.05	28.8	130	44.5	2140	1270	
AT-INTEL	09-Oct-00	08:15:00	GN		799													
AT-INTEL	18-Oct-00	10:15:00	GN		799													
AT-INTEL	25-Oct-00	08:15:00	GN		799													
AT-INTEL	02-Nov-00	11:00:00	GN	IML	799	11.7	5.52	2000	5.43	0.024	0.06	0.099	27.1	116	37.4	1020	1110	
AT-INTEL	06-Nov-00	08:15:00	GN		799													
AT-INTEL	15-Nov-00	11:30:00	GN		778													
AT-INTEL	20-Nov-00	11:45:00	GN		778													
AT-INTEL	27-Nov-00	09:45:00	GN		799													
AT-INTEL	07-Dec-00	09:45:00	GN	IML	799	13.7	5.85	1940	5.34	0.045	0.03	0.042	27.8	135	45.5	1960	1210	
AT-INTEL	11-Dec-00	09:45:00	GN		799													
AT-INTEL	19-Dec-00	09:45:00	GN		799													
AT-INTEL	26-Dec-00	09:45:00	GN		799													
AT-INTEL	05-Jan-01	08:45:00	GN	IML	798	14.7	5.78	1910	4.83	0.031	0.043	0.021	31.3	141	48.7	1790	1330	
AT-INTEL	10-Jan-01	09:00:00	GN		799													
AT-INTEL	17-Jan-01	08:45:00	GN		799													
AT-INTEL	23-Jan-01	09:45:00	GN		799													
AT-INTEL	29-Jan-01	11:45:00	GN		799													
AT-INTEL	08-Feb-01	09:30:00	GN	IML	799	14.2	5.78	1800										



## SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
SITE : AMERICAN TUNNEL PORTAL DISCHARGE

IN UNITS OF mg/l UNLESS NOTED																
SAMPLE STA.	SAMPLE DATE	SAMPLE TIME	SAMPLED BY	LAB	GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
AT-INFEL	02-Aug-01	09:45:00	GN	IML	888	15.3	5.88	1880	7.05	0.033	0.04	<.005	28.9	145	47.1	2040
AT-INFEL	06-Aug-01	09:00:00	GN		868											
AT-INFEL	13-Aug-01	07:45:00	GN		868											
AT-INFEL	21-Aug-01	08:45:00	GN		868											
AT-INFEL	27-Aug-01	09:30:00	GN		833											
AT-INFEL	04-Sep-01	10:45:00	GN EN	IML	63	11.8	6.3	1336	0.35	0.007	<.01	<.005	1.98	2.39	3.43	1040
AT-INFEL	14-Sep-01	08:15:00	GN EN		76											
AT-INFEL	21-Sep-01	09:30:00	GN EN		117											
AT-INFEL	24-Sep-01	11:00:00	GN EN		117											
AT-INFEL	01-Oct-01	10:45:00	GN EN	IML	125	11.5	3.8	1850	8.77	0.049	0.282	0.089	15.4	28.9	21.8	1820
AT-INFEL	08-Oct-01	09:00:00	GN EN		146											
AT-INFEL	17-Oct-01	13:30:00	GN EN		167											
AT-INFEL	22-Oct-01	13:00:00	GN EN		160											
AT-INFEL	29-Oct-01	10:45:00	GN EN		167											
AT-INFEL	05-Nov-01	10:00:00	GN EN	IML	167	14.5	4.73	1650	4.28	0.068	0.17	0.022	11.4	26.7	18.6	1900
AT-INFEL	09-Nov-01	10:40:00	GN EN		167											
AT-INFEL	19-Nov-01	09:00:00	GN EN		167											
AT-INFEL	21-Nov-01	12:15:00	GN EN		167											
AT-INFEL	29-Nov-01	09:30:00	GN EN		167											
AT-INFEL	03-Dec-01	11:15:00	GN EN	IML	167	14.1	5.35	1670	4.28	0.015	0.1	0.007	12.8	47.3	25.4	1900
AT-INFEL	07-Dec-01	08:30:00	GN EN		167											
AT-INFEL	10-Dec-01	09:15:00	GN EN		167											
AT-INFEL	17-Dec-01	09:45:00	GN EN		167											
AT-INFEL	27-Dec-01	01:00:00	GN EN		184											
AT-INFEL	02-Jan-02	09:15:00	GN EN	IML	222	10.2	5.06	1660	3.25	0.011	0.066	0.013	12.7	54.8	27.3	1860
AT-INFEL	09-Jan-02	09:15:00	GN EN		222											
AT-INFEL	14-Jan-02	10:40:00	GN EN		222											
AT-INFEL	22-Jan-02	10:15:00	GN EN		222											
AT-INFEL	29-Jan-02	09:35:00	GN EN		222											
AT-INFEL	04-Jan-02	11:00:00	GN EN	IML	222	12.7	5.24	1890	3.12	0.01	0.046	<.005	12.8	62.8	29.3	1880
AT-INFEL	14-Feb-02	09:45:00	GN EN		222											
AT-INFEL	18-Feb-02	13:30:00	GN EN		222											
AT-INFEL	25-Feb-02	11:00:00	GN EN		222											
AT-INFEL	05-Mar-02	10:15:00	GN EN	IML	243	10.7	5.68	1660	2.91	0.009	0.03	<.005	13.2	68.6	31	2000
AT-INFEL	13-Mar-02	07:30:00	GN EN		243											
AT-INFEL	20-Mar-02	10:15:00	GN EN		243											
AT-INFEL	26-Mar-02	09:45:00	GN EN		264											
AT-INFEL	02-Apr-02	10:30:00	GN EN	IML	250	12.5	5.58	1960	2.86	0.007	0.03	<.05	14.1	74.6	33.9	2280
AT-INFEL	10-Apr-02	09:15:00	GN EN		250											
AT-INFEL	17-Apr-02	08:00:00	GN EN		250											
AT-INFEL	22-Apr-02	09:15:00	GN EN		250											
AT-INFEL	29-Apr-02	11:15:00	GN EN		250											

SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
SITE: CEMENT CREEK DIVERSION for TREATMENT

PARAMETER IN UNITS OF mg/l UNLESS NOTED															
SAMPLE STA.	SAMPLE DATE	SAMPLE TIME	SAMPLED BY	LAB	Gpm	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	CALCULATED HARDNESS
CC-1B	01-Aug-00	09:45:00	GN	IML	584	11.3	2.89	680	9.46	0.147	1.53	0.051	14.7	11.6	243
CC-1B	09-Aug-00	10:00:00	GN		514										
CC-1B	18-Aug-00	09:00:00	GN		466										
CC-1B	22-Aug-00	11:00:00	GN		536										
CC-1B	28-Aug-00	10:45:00	GN		536										
CC-1B	05-Sep-00	13:45:00	GN	IML	396	15.8	3.03	840	7.88	0.097	1.35	0.045	10.5	9.81	198
CC-1B	11-Sep-00	12:15:00	GN		430										
CC-1B	18-Sep-00	08:00:00	GN		500										
CC-1B	26-Sep-00	13:00:00	GN		479										
CC-1B	02-Oct-00	10:00:00	GN	IML	479	7.9	3.17	590	9.09	0.115	1.61	0.035	12.3	11.6	234
CC-1B	09-Oct-00	09:30:00	GN		479										
CC-1B	18-Oct-00	10:30:00	GN		430										
CC-1B	25-Oct-00	09:30:00	GN		361										
CC-1B	02-Nov-00	11:15:00	GN	IML	570	7.7	3.07	570	6.72	0.117	1.12	0.044	12.4	8.99	212
CC-1B	06-Nov-00	09:30:00	GN		479										
CC-1B	15-Nov-00	11:40:00	GN		0										
CC-1B	20-Nov-00	11:55:00	GN		451										
CC-1B	27-Nov-00	10:00:00	GN		479										
CC-1B	07-Dec-00	08:00:00	GN	IML	340	6.8	3.04	870	13.5	0.226	2.21	0.085	22.7	12.3	349
CC-1B	11-Dec-00	08:30:00	GN		409										
CC-1B	19-Dec-00	10:00:00	GN		361										
CC-1B	26-Dec-00	00:15:00	GN		312										
CC-1B	05-Jan-01	09:45:00	GN	IML	312	6.5	2.77	930	13.8	<.05	2.11	0.062	26.8	10.77	420
CC-1B	10-Jan-01	09:15:00	GN		312										
CC-1B	17-Jan-01	10:00:00	GN		243										
CC-1B	23-Jan-01	11:00:00	GN		243										
CC-1B	29-Jan-01	12:00:00	GN		243										
CC-1B	08-Feb-01	09:45:00	GN		243										
CC-1B	12-Feb-01	11:00:00	GN	IML	243	7.6	2.84	870	14.9	0.23	2.17	0.079	23.4	6.54	396
CC-1B	21-Feb-01	09:45:00	GN		243										
CC-1B	01-Mar-01	10:00:00	GN		ND										
CC-1B	13-Mar-01	10:30:00	GN	IML	83	8.8	2.89	940	14.7	<.01	2.07	0.073	23.3	7.29	403
CC-1B	19-Mar-01	10:45:00	GN		202										
CC-1B	26-Mar-01	11:15:00	GN		341										
CC-1B	03-Apr-01	10:15:00	GN	IML	430	4.9	2.81	830	12.5	0.18	1.8	<.005	19.3	10.9	345
CC-1B	10-Apr-01	10:00:00	GN		361										
CC-1B	17-Apr-01	10:30:00	GN		527										
CC-1B	24-Apr-01	09:15:00	GN		604										
CC-1B	03-May-01	10:30:00	GN		804										
CC-1B	07-May-01	11:00:00	GN	IML	805	6.1	3.02	360	4.16	0.048	0.715	<.005	5.58	8.53	101
CC-1B	15-May-01	10:30:00	GN		805										
CC-1B	23-May-01	10:00:00	GN		805										
CC-1B	29-May-01	10:00:00	GN		805										
CC-1B	05-Jun-01	10:30:00	GN	IML	889	5.4	3.36	180	1.76	0.013	0.31	0.023	1.88	3.60	50
CC-1B	12-Jun-01	09:15:00	GN		708										
CC-1B	18-Jun-01	09:30:00	GN		805										
CC-1B	25-Jun-01	08:00:00	GN		805										
CC-1B	02-Jul-01	09:15:00	GN		833										
CC-1B	05-Jul-01	10:45:00	GN	IML	917	11.7	3.15	250	1.72	0.024	0.309	0.016	2.73	2.46	82
CC-1B	09-Jul-01	09:30:00	GN		833										
CC-1B	17-Jul-01	09:30:00	GN		833										

SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS

SITE: CEMENT CREEK DIVERSION for TREATMENT

PARAMETER IN UNITS OF mg/l UNLESS NOTED					GPM	C	SU	umho	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
SAMPLE STA.	SAMPLE DATE	SAMPLE TIME	SAMPLED BY	LAB	Qgpm	FIELD TEMP.	FIELD pH	FIELD COND.	dAl	dCd	dCu	dPb	dZn	dFe	dMn	SULFATE	CALCULATED HARDNESS	
CC-1B	23-Jul-01	09:45:00	GN	IML	833	799	12.2	3.31	440	4.23	0.041	<.01	0.02	5.88	6.99	3.45	280	164
CC-1B	06-Aug-01	09:15:00	GN		839													
CC-1B	13-Aug-01	08:00:00	GN		875													
CC-1B	21-Aug-01	09:00:00	GN		792													
CC-1B	27-Aug-01	09:45:00	GN		923													
CC-1B	04-Sep-01	10:50:00	GN EN	IML	979	10.8	2.4	830	11	0.109	<.01	0.036	14.8	20.8	9.5	637	282	
CC-1B	14-Sep-01	08:30:00	GN EN		854													
CC-1B	21-Sep-01	09:45:00	GN EN		757													
CC-1B	24-Sep-01	11:15:00	GN EN		709													
CC-1B	01-Oct-01	10:30:00	GN EN	IML	881	8.1	3.28	760	11.7	0.01	<.01	0.033	12.9	1.74	8.53	725	387	
CC-1B	09-Oct-01	09:15:00	GN EN		722													
CC-1B	17-Oct-01	13:45:00	GN EN		839													
CC-1B	22-Oct-01	13:15:00	GN EN		846													
CC-1B	29-Oct-01	11:00:00	GN EN		595.8													
CC-1B	05-Nov-01	10:15:00	GN EN	IML	578	10.2	2.98	1050	10.5	0.187	1.9	0.071	21.5	16.5	12.8	1070	372	
CC-1B	09-Nov-01	10:40:00	GN EN		534.39													
CC-1B	19-Nov-01	09:15:00	GN EN		458													
CC-1B	21-Nov-01	12:30:00	GN EN		298													
CC-1B	28-Nov-01	09:45:00	GN EN		478													
CC-1B	03-Dec-01	09:30:00	GN EN	IML	513	9.8	3.59	1050	18.9	0.218	2.82	0.083	25.2	17.5	17.5	1040	483	
CC-1B	07-Dec-01	08:45:00	GN EN		513													
CC-1B	10-Dec-01	09:30:00	GN EN		513													
CC-1B	17-Dec-01	10:00:00	GN EN		500													
CC-1B	27-Dec-01	01:15:00	GN EN		431													
CC-1B	02-Jan-02	11:30:00	GN EN	IML	403	8.2	2.94	1020	13.3	0.213	2.15	0.082	23.8	13.2	15.8	892	448	
CC-1B	09-Jan-02	09:30:00	GN EN		403													
CC-1B	14-Jan-02	10:55:00	GN EN		403													
CC-1B	22-Jan-02	10:30:00	GN EN		403													
CC-1B	29-Jan-02	09:50:00	GN EN		403													
CC-1B	04-Feb-02	10:30:00	GN EN	IML	382	8.8	3.08	1030	14	0.21	2.12	0.085	24.5	11.8	16.8	1030	470	
CC-1B	14-Feb-02	10:00:00	GN EN		382													
CC-1B	18-Feb-02	13:45:00	GN EN		403													
CC-1B	25-Feb-02	11:15:00	GN EN		403													
CC-1B	05-Mar-02	10:30:00	GN EN	IML	361	8.5	3.18	980	13.7	0.209	2	0.07	24.8	10.3	16.9	974	474	
CC-1B	13-Mar-02	07:45:00	GN EN		382													
CC-1B	20-Mar-02	10:30:00	GN EN		361													
CC-1B	28-Mar-02	10:00:00	GN EN		361													
CC-1B	02-Apr-02	09:45:00	GN EN	IML	840	7.3	3.31	490	4.94	0.048	0.79	0.028	6.58	11.5	4.5	358	145	
CC-1B	10-Apr-02	09:30:00	GN EN		1035													
CC-1B	17-Apr-02	09:15:00	GN EN		1125													
CC-1B	22-Apr-02	09:30:00	GN EN		1125													
CC-1B	29-Apr-02	11:30:00	GN EN		1181													

SUNNYSIDE GOLD CORP.  
WATER SAMPLE ANALYSIS  
AMERICAN TUNNEL DISCHARGE AT-004

Parameter -> in units of mg/l unless noted	GPM	SU	umho	C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Station	Sampledate	Sampletime	Sampledby	GPM	FieldpH	FieldCond	FieldT	lab	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	CALCULATED HARDNESS
AT004	01-Aug-00	08:30:00	GN	1278.00	9.32	1390.00	11.70	IML	<.001	<.001	<.005	<.025	<.02	3.38	0.54	1140.00	1080.00
AT004	09-Aug-00	09:30:00	GN	1278.00	9.14	1440.00	13.70										
AT004	18-Aug-00	08:30:00	GN	1229.00	9.97	1380.00	11.80										
AT004	22-Aug-00	10:30:00	GN	1299.00	9.25	1420.00	12.90										
AT004	28-Aug-00	09:45:00	GN	1299.00	9.95	1440.00	12.10										
AT004	05-Sep-00	11:00:00	GN	1160.00	9.48	1470.00	11.60	IML	0.02	0.01	<.005	<.025	<.02	0.46	0.68	1090.00	1090.00
AT004	06-Sep-00	11:30:00	GN	1160.00													
AT004	11-Sep-00	11:30:00	GN	1229.00													
AT004	19-Sep-00	07:30:00	GN	1299.00													
AT004	26-Sep-00	12:30:00	GN	1278.00													
AT004	04-Oct-00	08:00:00	GN	1278.00	9.20	1480.00	8.80	IML	<.001	0.01	<.005	0.15	0.08	8.10	0.18	1130.00	1100.00
AT004	09-Oct-00	09:00:00	GN	1278.00													
AT004	18-Oct-00	10:00:00	GN	1229.00													
AT004	25-Oct-00	08:00:00	GN	1160.00													
AT004	01-Nov-00	08:45:00	GN	1278.00													
AT004	02-Nov-00	10:00:00	GN	1278.00	9.32	1450.00	8.40	IML	<.001	<.005	0.01	<.025	<.02	0.92	0.53	1190.00	1210.00
AT004	06-Nov-00	09:00:00	GN	1278.00													
AT004	15-Nov-00	11:15:00	GN	783.00													
AT004	20-Nov-00	11:30:00	GN	1229.00													
AT004	27-Nov-00	09:30:00	GN	1278.00													
AT004	04-Dec-00	11:15:00	GN	1139.00	9.58	1440.00	5.90	IML	<.001	0.009	<.005	<.025	<.02	0.31	0.69	1180.00	1150.00
AT004	11-Dec-00	08:00:00	GN	1208.00													
AT004	19-Dec-00	09:30:00	GN	1180.00													
AT004	26-Dec-00	11:45:00	GN	1111.00													
AT004	04-Jan-01	10:30:00	GN	1111.00	9.52	1600.00	6.90	IML	<.001	0.006	<.005	<.025	<.02	6.59	0.25	1320.00	1320.00
AT004	10-Jan-01	08:45:00	GN	1111.00													
AT004	17-Jan-01	09:30:00	GN	1042.00													
AT004	23-Jan-01	09:30:00	GN	1042.00													
AT004	29-Jan-01	11:30:00	GN	1042.00													
AT004	07-Feb-01	08:15:00	GN	1042.00	9.23	1630.00	6.00	IML	<.001	<.005	<.005	<.025	<.02	1.22	0.37	1360.00	1230.00
AT004	12-Feb-01	10:30:00	GN	1042.00	9.20												
AT004	21-Feb-01	09:15:00	GN	1042.00	9.33												
AT004	01-Mar-01	09:30:00	GN	783.00													
AT004	07-Mar-01	08:45:00	GN	972.00													
AT004	13-Mar-01	09:30:00	GN	972.00	9.98	1500.00	6.11	IML	<.001	<.01	<.005	<.025	<.02	<.01	0.53	1150.00	1320.00
AT004	15-Mar-01	09:45:00	GN	993.00													
AT004	19-Mar-01	10:15:00	GN	1021.00													
AT004	26-Mar-01	10:45:00	GN	1160.00													
AT004	02-Apr-01	09:30:00	GN	1229.00	9.20	1510.00	7.80	IML	<.001	0.01	<.005	<.025	<.02	3.07	0.27	1260.00	1140.00
AT004	10-Apr-01	09:30:00	GN	1160.00													
AT004	17-Apr-01	10:00:00	GN	1328.00													
AT004	24-Apr-01	07:00:00	GN	1403.00													
AT004	03-May-01	09:45:00	GN	1402.00	9.80	1110.00	4.90	IML	<.001	0.002	<.005	<.025	<.02	<.01	0.92	780.00	817.00
AT004	09-May-01	09:15:00	GN	1804.00													
AT004	15-May-01	10:00:00	GN	1804.00													
AT004	23-May-01	09:30:00	GN	1804.00													
AT004	29-May-01	09:30:00	GN	1804.00													
AT004	04-Jun-01	11:00:00	GN	1668.00	9.78	1020.00	9.00	IML	<.001	<.01	<.005	0.14	0.70	0.82	0.38	876.00	789.00
AT004	12-Jun-01	08:45:00	GN	1507.00													
AT004	18-Jun-01	08:30:00	GN	1804.00													
AT004	25-Jun-01	07:30:00	GN	1804.00													
AT004	02-Jul-01	08:50:00	GN	1632.00													
AT004	05-Jul-01	09:35:00	GN	1632.00	9.84	1170.00	11.80	IML	<.001	0.01	<.005	0.01	0.19	0.48	0.44	791.00	733.00
AT004	09-Jul-01	09:00:00	GN	1632.00													

SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
AMERICAN TUNNEL DISCHARGE AT-004

Parameter -> in units of mg/l unless noted			GPM	SU	umho	C		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	CALCULATED HARDNESS
Station	Sampledate	Sampletime	Sampledby	GPM	FieldpH	FieldCond	FieldT	lab	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	
AT004	17-Jul-01	09:00:00	GN	1832.00													
AT004	23-Jul-01	09:15:00	GN	1632.00													
AT004	02-Aug-01	09:00:00	GN	1888.00	9.15	1270.00	13.80	IML	<.001	<.01	<.005	<.025	0.05	2.34	0.42	941.00	870.00
AT004	06-Aug-01	08:45:00	GN	1507.00	9.21	1800.00	12.70										
AT004	13-Aug-01	07:30:00	GN	1743.00	9.24	1310.00	9.90										
AT004	21-Aug-01	08:30:00	GN	1880.00	9.39	1870.00	10.80										
AT004	27-Aug-01	09:15:00	GN	1558.00	9.87	1390.00	10.80										
AT004	04-Sep-01	09:50:00	GN	1042.00	9.79	830.00	10.80	IML	<.001	<.01	<.005	<.025	<.02	<.01	1.37	511.00	523.00
AT004	05-Sep-01	09:45:00	GN	1042.00	9.90	830.00	9.80										
AT004	14-Sep-01	08:00:00	GN	930.00	9.37	930.00	10.30										
AT004	21-Sep-01	09:15:00	GN	874.00	9.81	1040.00	9.30										
AT004	25-Sep-01	08:30:00	GN	784.00	9.72	1090.00	8.00										
AT004	01-Oct-01	09:30:00	GN	808.00	9.19		7.30	IML	<.001	0.04	<.005	0.18	0.17	1.54	0.99	900.00	852.00
AT004	09-Oct-01	08:40:00	GN	868.05	9.82	1160.00	9.40										
AT004	17-Oct-01	09:15:00	GN	808.00	9.20	1130.00	8.40										
AT004	22-Oct-01	09:00:00	GN	808.00	9.65	1150.00	7.50										
AT004	29-Oct-01	08:15:00	GN	783.80	9.12	1160.00	7.50										
AT004	05-Nov-01	09:15:00	GN	743.00	9.98	1160.00	7.80	IML	<.001	0.04	<.005	<.025	<.02	<.01	0.26	1000.00	756.00
AT004	09-Nov-01	09:20:00	GN	701.39	9.82	1210.00	7.40										
AT004	14-Nov-01	08:40:00	GN	828.00	9.24	1210.00	7.00										
AT004	21-Nov-01	12:00:00	GN	465.00	9.71	1210.00	6.00										
AT004	29-Nov-01	09:15:00	GN	645.00	9.33	1170.00	4.90										
AT004	03-Dec-01	09:15:00	GN	680.00	7.27	1190.00	5.80	IML	0.05	<.01	<.005	3.41	<.02	15.80	<.05	1080.00	944.00
AT004	07-Dec-01	08:00:00	GN	680.00	9.38	1180.00	5.00										
AT004	10-Dec-01	09:00:00	GN	680.00	9.29	1200.00	4.30										
AT004	17-Dec-01	09:35:00	GN	687.00	9.30	1220.00	4.50										
AT004	27-Dec-01	11:45:00	GN	825.00	9.18	1230.00	4.80										
AT004	02-Jan-02	08:15:00	GN	825.00	9.98	1290.00	3.30	IML	<.001	<.01	<.005	<.025	<.02	0.02	0.88	ND	ND
AT004	09-Jan-02	09:00:00	GN	825.00	9.84	1230.00	5.50										
AT004	14-Jan-02	10:20:00	GN	825.00	9.98	1290.00	4.80										
AT004	22-Jan-02	10:00:00	GN	825.00	9.27	1280.00	4.60										
AT004	29-Jan-02	09:20:00	GN	825.00	9.97	1280.00	5.40										
AT004	04-Feb-02	09:30:00	GN	604.00	9.25	1290.00	3.80	IML	0.001	0.04	<.005	0.17	0.22	2.92	0.11	2370.00	1100.00
AT004	14-Feb-02	10:50:00	GN	604.00	8.05	1290.00	4.68										
AT004	18-Feb-02	13:15:00	GN	625.00	9.56	1320.00	9.90										
AT004	28-Feb-02	13:30:00	GN	625.00	9.79	1300.00	8.40										
AT004	05-Mar-02	09:30:00	GN	604.00	8.88	1330.00	5.50	IML	<.005	<.01	<.005	0.08	<.02	8.51	0.10	1190.00	1110.00
AT004	06-Mar-02	07:45:00	GN	604.00	8.54	1330.00	2.80										
AT004	13-Mar-02	07:00:00	GN	625.00	9.88	1280.00	3.60										
AT004	20-Mar-02	10:00:00	GN	604.00	9.22	1540.00	5.30										
AT004	26-Mar-02	09:30:00	GN	825.00	9.44	1480.00	4.80										
AT004	01-Apr-02	10:00:00	GN	1090.00	9.38	960.00	6.00	IML	<.005	<.01	<.005	<.025	<.02	0.15	0.39	934.00	34.00
AT004	02-Apr-02	09:45:00	GN	1090.00	9.99	1120.00	11.80										
AT004	10-Apr-02	09:00:00	GN	1285.00	9.85	770.00	6.30										
AT004	17-Apr-02	08:45:00	GN	1378.00	9.53	770.00	4.70										
AT004	22-Apr-02	10:00:00	GN	1403.00	9.20	770.00	4.50										
AT004	29-Apr-02	11:00:00	GN	1431.00	9.98	770.00	7.50										

## SUNNYSIDE GOLD CORP.

WATER SAMPLE ANALYSIS  
CEMENT CREEK STATION CC-20

units of mg/l unless noted																	
Station	Sampledate	Sampletime	Sampledby	GPM	FieldpH	FieldCond	FieldT	lab	dCd	dCu	dPb	dZn	dFe	dMn	dAl	SULFATE	HARDNESS
CC-20*	21-Jan-98	10:00:00	GN	877.00	7.97	1530.00	8.20	IML	<.001	<.01	<.005	0.57	0.10	2.01	0.25	1120.00	1110.00
CC-20*	03-Feb-98	10:15:00	GN	858.00	8.14	1580.00	7.50	IML	<.001	<.01	<.05	0.44	<.02	1.14	0.40	1110.00	1290.00
CC-20*	04-Mar-98	09:15:00	GN	815.00	8.03	1600.00	6.90	IML	0.00	<.01	<.005	0.42	0.04	2.28	0.26	1140.00	1270.00
CC-20*	09-Apr-98	10:30:00	GN	858.00	7.70	1480.00	7.80	IML	0.00	<.01	<.005	0.31	0.06	1.43	0.53	1070.00	975.00
CC-20*	06-May-98	10:00:00	GN	1832.00	2.70	580.00	7.20	IML	0.01	0.32	0.08	2.63	2.75	1.54	3.51	407.00	357.00
CC-20*	12-Jun-98	10:15:00	GN	4940.00	3.11	420.00	7.50	IML	<.001	0.29	0.01	1.88	2.18	1.20	2.44	239.00	237.00
CC-20*	20-Jul-98	09:45:00	GN	4835.00	3.74	550.00	11.50	IML	0.01	0.24	0.01	1.53	0.33	1.40	1.93	348.00	339.00
CC-20*	04-Aug-98	09:45:00	GN	2527.00	5.14	730.00	10.00	IML	0.01	0.05	<.005	1.05	0.08	1.10	0.56	475.00	536.00
CC-20*	08-Sep-98	10:30:00	GN	1481.00	9.38	1170.00	10.10	IML	<.001	<.01	<.005	<.025	<.02	0.56	0.69	687.00	825.00
CC-20*	01-Oct-98	10:45:00	GN	1208.00	10.31	1290.00	8.30	IML	<.001	<.01	<.005	<.025	0.05	0.69	0.59	888.00	900.00
CC-20*	18-Nov-98	10:15:00	GN	1141.00	7.91	920.00	7.70	IML	0.00	<.01	<.005	0.20	0.06	2.18	0.32	893.00	1000.00
CC-20*	03-Dec-98	09:00:00	GN	1002.00	7.78	1250.00	8.40	IML	0.00	<.01	<.005	0.65	<.02	2.37	0.13	860.00	937.00
CC-20*	07-Jan-99	09:30:00	GN	858.00	8.07	1210.00	5.30	IML	0.01	<.01	<.005	0.40	<.02	2.06	0.36	1120.00	1220.00
CC-20*	02-Feb-99	10:00:00	GN	794.00	8.79	1520.00	3.20	IML	0.00	<.01	<.005	0.27	<.02	1.03	0.49	1400.00	1470.00
CC-20*	01-Mar-99	10:30:00	GN	773.00	8.27	1500.00	7.60	IML	0.01	<.01	<.005	0.48	<.02	1.63	0.54	1240.00	1280.00
CC-20*	13-Apr-99	09:50:00	GN	1120.00	6.98	1260.00	7.50	IML	0.03	0.02	0.01	1.05	0.06	4.12	0.52	867.00	967.00
CC-20*	07-May-99	08:45:00	GN	940.00	7.19	1430.00	5.20	IML	0.01	0.01	<.005	1.46	0.06	2.39	0.25	953.00	1060.00
CC-20*	01-Jun-99	10:30:00	GN	15,138	3.03	300.00	7.10	IML	0.01	0.18	0.02	2.03	3.87	0.96	2.05	139.00	111.00
CC-20*	08-Jul-99	10:15:00	GN	8,045	2.98	380.00	11.30	IML	0.01	0.38	<.005	1.96	3.36	0.88	2.21	182.00	143.00
CC-20*	03-Aug-99	09:45:00	GN	5,998	3.61	560.00	9.90	IML	0.02	<.01	0.02	3.82	2.81	1.74	3.64	315.00	279.00
CC-20*	03-Sep-99	08:00:00	GN	5,208	3.40	810.00	9.80	IML	0.08	0.98	0.02	6.07	4.82	2.70	5.39	550.00	448.00
CC-20*	05-Oct-99	09:00:00	GN	2552.00	3.28	1190.00	7.40	IML	0.08	1.51	0.03	11.00	5.22	4.58	9.17	924.00	722.00
CC-20*	05-Nov-99	08:30:00	GN	1874.00	5.73	1850.00	10.70	IML	0.09	0.50	<.005	6.59	<.02	2.98	3.82	1200.00	1080.00
CC-20*	02-Dec-99	10:00:00	GN	1072.00	7.77	1570.00	8.80	IML	0.00	<.001	0.01	0.49	<.02	2.10	0.34	1080.00	1110.00
CC-20*	04-Jan-00	09:45:00	GN	1002.00	7.79	1540.00	6.90	IML	0.00	0.00	<.005	0.44	<.02	5.07	0.45	1290.00	1320.00
CC-20*	01-Feb-00	09:30:00	GN	1002.00	8.57	1550.00	5.60	IML	<.001	0.00	<.005	0.14	<.02	0.79	1.02	1230.00	1330.00
CC-20*	02-Mar-00	10:00:00	GN	ND	8.85	1620.00	9.40	IML	<.001	<.001	<.005	<.025	<.02	0.16	0.88	1280.00	1310.00
CC-20*	04-Apr-00	09:15:00	GN	1002.00	8.93	1580.00	6.70	IML	0.00	0.00	<.005	<.025	<.02	0.78	0.86	1300.00	1290.00
CC-20*	02-May-00	10:30:00	GN	8244.00	3.24	540.00	7.80	IML	0.03	0.46	0.02	3.70	5.04	2.25	3.66	343.00	289.00
CC-20*	06-Jun-00	09:30:00	GN	7,104	3.73	410.00	8.40	IML	0.02	0.32	0.02	2.19	1.48	1.10	2.15	289.00	251.00
CC-20*	06-Jul-00	10:00:00	GN	2866.00	5.06	840.00	13.30	IML	0.03	0.36	<.005	3.21	0.32	1.86	3.00	659.00	601.00
CC-20*	01-Aug-00	08:45:00	GN	1715.00	7.05	1290.00	12.10	IML	0.01	0.02	0.01	1.13	<.02	3.86	0.18	933.00	945.00
CC-20*	05-Sep-00	11:15:00	GN	1701.00	5.96	1170.00	11.80	IML	0.03	0.29	<.005	3.64	0.47	2.81	2.97	899.00	829.00
CC-20*	02-Oct-00	09:00:00	GN	1941.00	6.21	1170.00	8.70	IML	0.03	0.10	<.005	3.52	0.05	2.36	1.48	876.00	961.00
CC-20*	02-Nov-00	10:15:00	GN	1848.00	7.03	1280.00	7.30	IML	0.02	0.07	0.07	2.79	<.02	2.92	0.94	955.00	820.00
CC-20*	06-Dec-00	12:00:00	GN	1198.00	7.96	1600.00	10.00	IML	0.003	0.03	0.06	0.09	0.03	1.18	0.88	1180.00	1200.00
CC-20*	05-Jan-01	08:30:00	GN	1141.00	9.77	1550.00	8.20	IML	<.001	0.035	<.005	<.025	<.02	0.41	0.81	1240.00	1280.00
CC-20*	12-Feb-01	10:45:00	GN	1072.00	8.22	1072.00	8.00	IML	0.002	<.01	<.005	0.26	<.02	2.71	0.49	1310.00	1290.00
CC-20*	13-Mar-01	09:45:00	GN	1002.00	9.34	1680.00	7.40	IML	<.001	<.01	<.005	0.04	<.02	0.50	0.80	1090.00	1210.00
CC-20*	03-Apr-01	09:00:00	GN	1289.00	8.03	1520.00	7.90	IML	0.002	<.01	<.005	0.23	<.02	2.55	0.44	1130.00	1140.00
CC-20*	07-May-01	09:45:00	GN	3431.00	3.97	820.00	8.00	IML	0.02	0.35	<.005	3.85	2.05	10.10	2.70	595.00	484.00
CC-20*	05-Jun-01	10:00:00	GN	11458.00	3.59	390.00	6.10	IML	0.010	0.17	0.01	1.26	1.23	1.13	1.14	229.00	134.00
CC-20*	05-Jul-01	08:20:00	GN	3461.15	4.60	550.00	11.20	IML	0.02	0.16	<.005	1.85	0.39	0.93	1.24	405.00	341.00
CC-20*	02-Aug-01	08:30:00	GN	2382.00	5.82	940.00	12.30	IML	0.02	0.18	<.005	2.41	0.04	2.87	1.73	844.00	640.00
CC-20*	04-Sep-01	10:00:00	GN EN	1102.00	8.18	820.00	10.10	IML	0.00	<.01	<.005	<.025	<.02	0.88	1.07	542.00	632.00
CC-20*	01-Oct-01	09:45:00	GN EN	865.00	6.73	1140.00	8.40	IML	<.001	0.01	<.005	0.67	<.02	1.98	0.15	889.00	875.00
CC-20*	05-Nov-01	09:20:00	GN EN	803.00	7.82	1200.00	9.10	IML	0.003	0.05	<.005	0.63	<.02	0.99	0.06	1110.00	891.00
CC-20*	03-Dec-01	11:30:00	GN EN	740.00	8.17	1190.00	10.80	IML	0.050	0.05	0.07	3.93	<.02	15.00	0.77	926.00	915.00
CC-20*	02-Jan-02	11:45:00	GN EN	655.00	6.29	1180.00	8.80	IML	0.007	0.02	0.04	0.21	<.02	0.86	0.60	1050.00	921.00
CC-20*	04-Feb-02	09:45:00	GN EN	634.00	6.58	1320.00	9.30	IML	0.003	0.01	<.005	0.65	<.02	2.99	0.20	1210.00	1040.00
CC-20*	05-Mar-02	09:45:00	GN EN	664.00	7.07	1340.00	8.00	IML	<.005	<.01	<.005	0.83	<.02	6.46	0.28	1280.00	998.00
CC-20*	02-Apr-02	09:30:00	GN EN	2737.00	3.53	630.00	9.30	IML	0.034	0.54	0.04	5.45	4.89	4.64	3.91	617.00	348.00

CALCULATED

HARDNESS